

Weatherly #002
CATALOG NO.
SP1501

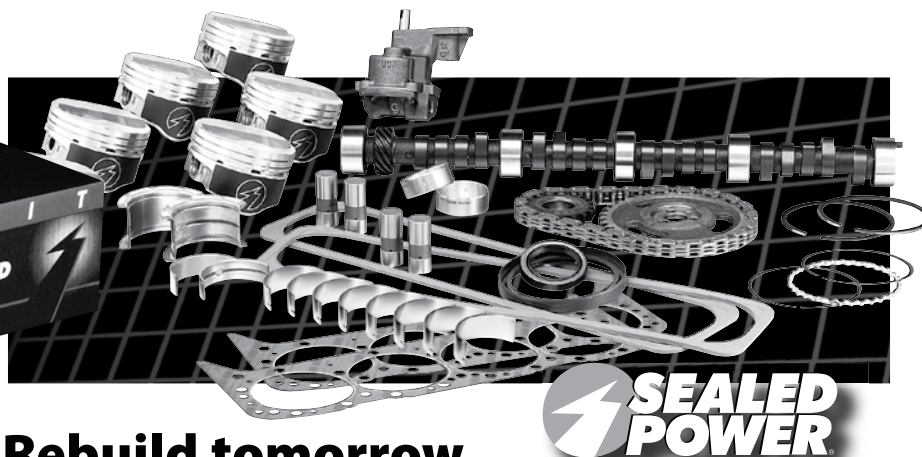


Engine Parts & Kits

Volume 1, 1990 & Earlier

Companion Volume to SP1502, Volume 2, 1991 to Present

**Sealed Power®
Engine Kits
available overnight
for just one,
low flat shipping
rate per kit. ***



Order today. Rebuild tomorrow.

With over 1 million engine kit combinations available, Sealed Power has your rebuild needs covered – and in record time!

The Engine Express program can deliver a Sealed Power passenger car or light truck engine kit anywhere in the continental U.S. overnight.* – It's a real lifesaver when those last-minute calls come in. And overnight shipping is one flat rate per kit! Free shipping applies to engine kit ground shipments. (And for performance engine rebuilds, we also offer Speed-Pro® engine kits – the best value in performance parts!)

Available Sealed Power® and Speed-Pro® Kits

Master Kit

Master Kit without Pistons

Master Kit without Rod Bearings & Main Set

Cam Change Kit

Block Kit

Block Kit with Pump & Plugs

Re-ring Kit with Mains

Re-ring Kit

Instructions

- Locate the correct kit part number in the Sealed Power Vol I or Vol II Catalogs. Be sure to ask your customer about any desired over and under sizes when taking the engine kit details.
- Call your Sealed Power Engine Express Kit Supplier.
- Need help? Federal-Mogul Engine Express Customer Service Specialists can guide you through the final size selection for the main bearing set, connecting rod bearing pair/set, pistons and rings.
- Substitutions? Let our customer service specialist know your specific customer needs and they will help guide you through the available options/substitutions. For example, does your customer require a high volume oil pump? Forged vs. cast pistons? We can help!
- Place your Engine Express order as late as 8:00 p.m. Eastern and receive the engine kit the next day. Phone orders only.
- Engine Express kits will be received at the place of business by 5:00 p.m. the following day.

Call as late as...

8

eastern

7

central

6

mountain

5

pacific

TABLE OF CONTENTS

How to Use This Catalog	i
Abbreviations	iv-v
Engine Families	ii
Engine Kits	vi
Key to Part Numbers.....	iii

Application Listings	1
Engine Kit Bill of Material	961
Numerical List.....	1043

Products & Warranty

See Sealed Power SP1502 Vol 2, catalog,
companion to SP1501 for complete product detail
and warranty information.

HOW TO USE THIS CATALOG

This catalog is designed to allow expedient
identification of correct parts.

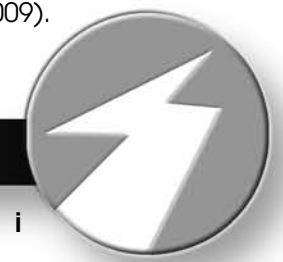
The catalog is sorted as follows:

- 1ST by VEHICLE MANUFACTURER. All GM products are listed under GM.
- 2ND by ENGINE DISPLACEMENT.
- 3RD by BORE DIAMETER. Engines with the same displacement are sorted by bore diameter.
- 4TH by VALVETRAIN CONFIGURATION. DOHC engines will be listed before SOHC engines.
- 5TH by INDUCTION SYSTEM. Normally aspirated engines will be listed before Turbos.

The pages within the applications are easy to read, yet contain all the information required to select the correct part. A listing will contain three distinct sections - Valvetrain, Block and Kits.

VALVETRAIN	BLOCK	KITS
Timing	Pistons	Re-ring Kits
Camshafts	Rings	Master Kits
Lifters	Sleeves	Block Kits
Cam Kits	Engine Bearings	
Push Rods	Oil Pumps	
Rocker Parts	Gaskets	
Valves	Freeze Plugs	
Valve Guides		
Valve Springs		
Valve Seals		
Valve Seats		
Valve, Misc.		

This edition of the Sealed Power Engine Parts Catalog includes performance upgrade parts. We have listed some entry level, "one or two step over stock", performance timing sets, camshafts and push rods in the more popular engine listings. These frequently requested products represent only a small sampling of the Speed-Pro complete performance line. For complete performance coverage, see the Speed-Pro Performance Catalog (No. X-3009).





ENGINE FAMILIES

The following vehicle makes are covered in this catalog:

FAMILY	PAGE NO.
Acura.....	See Honda Car
AMC.....	1
Audi.....	23
BMW.....	28
British Leyland.....	30
Buick.....	See GM Car
Cadillac.....	See GM Car
Checker.....	See Eng. Mfr.
Chevrolet.....	See GM Car
Chevrolet Minivans.....	See GMC Truck
Chevrolet SUV's.....	See GMC Truck
Chevrolet Truck.....	See GMC Truck
Chrysler Car.....	32
Chrysler Marine.....	111
Chrysler Minivans.....	See Dodge Truck
Chrysler Truck.....	See Dodge Truck
Daihatsu Car.....	126
Datsun.....	See Nissan
Dodge Car.....	See Chrysler Car
Dodge Minivans.....	See Dodge Truck
Dodge SUV's.....	See Dodge Truck
Dodge Truck (Incl. Minivans & SUV's).....	127
Eagle.....	See Chrysler Car
Fiat.....	174
Ford Car.....	177
Ford Minivans.....	See Ford Truck
Ford SUV's.....	See Ford Truck
Ford Truck (Incl. Minivans & SUV's).....	295
Geo.....	See GM Car
GM Car.....	383
GMC Minivans.....	See GMC Truck
GMC SUV's.....	See GMC Truck
GMC Truck (Incl. Minivans & SUV's).....	609
Honda Car.....	717
IHC Truck.....	735
Isuzu Car.....	751
Isuzu Truck (Incl. Minivans & SUV's).....	756
Jeep.....	763
Lada.....	790
Lincoln Car.....	See Ford Car
Mazda Car.....	790
Mazda Minivans.....	See Mazda Truck
Mazda Truck (Incl. Minivans & SUV's).....	800
Mercedes.....	807
Mercury.....	See Ford Car
Mercury Marine.....	809

FAMILY	PAGE NO.
MG.....	See British Leyland
Mitsubishi Car.....	832
Mitsubishi Minivans.....	See Mitsubishi Truck
Mitsubishi SUV's.....	See Mitsubishi Truck
Mitsubishi Truck (Incl. Minivans & SUV's).....	845
Nissan Car.....	851
Nissan Minivans.....	See Nissan Truck
Nissan SUV's.....	See Nissan Truck
Nissan Truck (Incl. Minivans & SUV's).....	869
Oldsmobile.....	See GM Car
OMC Marine.....	878
Opel.....	894
Peugeot.....	895
Plymouth.....	See Chrysler Car
Plymouth Minivans.....	See Dodge Truck
Pontiac.....	See GM Car
Renault.....	896
Rover Truck.....	897
Saab.....	898
Standard Motors.....	899
Studebaker Car.....	900
Studebaker Truck.....	904
Subaru Car.....	905
Subaru Truck.....	908
Suzuki Car.....	908
Suzuki SUV's.....	See Suzuki Truck
Suzuki Truck (Incl. SUV's).....	910
Toyota Car.....	912
Toyota Minivans.....	See Toyota Truck
Toyota SUV's.....	See Toyota Truck
Toyota Truck (Incl. Minivans & SUV's).....	931
Triumph.....	See Standard Motors
Volvo.....	942
Volvo Marine.....	944
VW Car.....	949
VW Truck.....	956
Yugo.....	959



KEY TO PART NUMBERS

Product Line	Prefix Suffix	Prefix Suffix	Description
All Products	B R	Suffix Suffix	Bulk Package Performance
Camshafts	CS KC KCT	Prefix Prefix Prefix	Camshafts Cam & Lifter Kit w/prelube Cam & Lifter Kit w/Timing Set & Prelube
Engine Bearings	A AF AP BF CA CH CP DR F MA P RA SB SH V VA W X Y YA	Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix Suffix	Premium A-Series Bi-Metal Aluminum Alloy Steel-backed Aluminum Thrust Washer Steel-backed Aluminum Alloy w/Overplate Steel-backed Bronze Thrust Washer Steel-backed Copper Alloy w/o Overplate — Resizable Steel-backed Alloy w/Overplate — Super Duty Steel-backed Alloy w/Overplate Steel-backed Babbitt, Steel-backed Bi-metal Alloy or Cam Bearing Thrust Washer Set Premium A-Series Bi-Metal Aluminum Alloy Steel-backed Copper-lead Alloy w/Overplate Steel-backed Aluminum Alloy Steel-backed Babbitt Steel-backed Babbitt Bronze Pin Bushing w/Seam or Butt Joint Bronze Pin Bushing w/Seam or Butt Joint Camshaft Thrust Washer Full Round Piston Pin Bushing Bi-metal Pin Bushing w/Seam or Butt Joint Bi-metal Pin Bushing w/Seam or Butt Joint
Engine Kits	205 205-M M 505 BK BKP MK MKP MKF	Prefix Prefix Prefix Prefix Prefix Prefix Prefix Prefix Prefix Prefix	Rering Kit Rering Kit w/Main Set Rering Kit w/Main Set Master Kit w/o Rod & Main Bearings Block Kit Block Kit w/Freeze Plugs & Oil Pump Master Kit w/o Pistons Master Kit Master Kit w/Forged Pistons
Freeze Plugs	381	Prefix	Expansion Plug Kit
Gaskets	260	Prefix	Gasket, Gasket Set
Oil Pumps	224 P PS S V VS	Prefix Suffix Suffix Suffix Suffix Suffix	Oil pumps & components High Pressure High Pressure Incl. Screen Includes Screen High Volume Pump High Volume Incl. Screen
Piston Pin	P	Prefix	Piston Pin
Piston Rings	K KC KX W X	Suffix Suffix Suffix Suffix Suffix	Moly Set Chrome Set Premium Chrome or Moly Set Single Piston Ring Set Plain Set
Pistons	CP CT H K L W	Suffix Suffix Prefix Prefix Prefix Prefix	DUROSHIELD™ Piston THERMOSHIELD® Piston Hypereutectic Piston Piston & Ring Combination Sets POWERFORGED® Piston Single Piston
Push Rods	BPR RP	Prefix Prefix	Bulk Push Rods Push Rod

Product Line	Prefix Suffix	Prefix Suffix	Description
Rocker Arm Parts	A MR R RA RR RS RT	Suffix Prefix Prefix Prefix Prefix Prefix Prefix	Rocker Arm Only Miscellaneous Components (Nuts, Studs, Pivots) Rocker Arm or Rocker Arm Kit Rocker Arm Assembly Roller Rocker Rocker Arm Shaft Rocker Shaft Support
Rotocaps	A RC S SA	Suffix Prefix Suffix Suffix	Rotocap Assembly Rotocaps or Rotocap Assembly Rotocap Rotocap Assembly
Sleeves	A	Prefix	Dry Sleeves & Sleeve Assemblies
Timing Components	220 221 222 223 KT KT2 KT3	Prefix Prefix Suffix Prefix Prefix Prefix Prefix	Timing Speed Set Timing Gears & Gear Sets Timing Chains, Belts, Guides & Tensioners Timing Sprocket Multiple Piece Set Two Piece Timing Kit Three Piece Timing Kit
Valve Guides	5000 T VG H	Series Suffix Prefix Suffix	Conversion Type Guide Threaded Valve Guide Valve Guide Hardened
Valve Lifters	AT HT	Prefix Prefix	Mechanical Lifter Hydraulic Lifter
Valve Locks	R VK	Suffix Prefix	Hardened Valve Lock Valve Lock
Valve Seats	245 1-49 50+up C E N	Prefix Suffix Suffix Suffix Suffix Suffix	Valve Seat Different I.D. & Depth Versions Oversize Inserts for Aluminum Cylinder Heads Valve Seat w/Stellite #3 (Cobalt) Factory Installed Seat Premium Material
Valve Spring Inserts	259 A B C	Prefix Suffix Suffix Suffix	Valve Spring Insert .060" Thick Valve Spring Insert .030" Thick Valve Spring Insert .015" Thick Valve Spring Insert
Valve Spring Retainers	VSR	Prefix	Valve Spring Retainer
Valve Springs	VS	Prefix	Valve Spring
Valve Stem Cups	VC	Prefix	Valve Stem Cup
Valve Stem	MT	Prefix	Valve Guide Cutter Tool
Oil Seals	BC C MV S ST	Prefix Prefix Prefix Suffix Prefix	100 Bulk Pack Applications QTY Pack Umbrella Type Valve Seal Valve Stem Seal Set Positive Type Valve Seal
Valves	A K V X	Suffix Suffix Prefix Suffix	Valve Assembly Valve Kit Intake & Exhaust Valves Special Material Indicator





ABBREVIATIONS

ABBREVIATION	DESCRIPTION
&	And
2WD	Two Wheel Drive
4WD	Four Wheel Drive
A.I.R.	Air Injector Reactor
A/C	Air Conditioning
A/R	As Required
A/T	Automatic Transmission
ABS	Anti-lock Brake System
AC	Alternating Current
Acc.	Accessory
Adj.	Adjustable
Adv.	Advance
Aft.	After
Alt.	Altitude
Alum.	Aluminum
Amp.	Ampere
AOD	Automatic Overdrive
Appl.	Application
Approx.	Approximately
Asst.	Assist
Assy.	Assembly
ATV	All Terrain Vehicle
Auto.	Automatic
Auto. Trans.	Automatic Transmission
Aux.	Auxiliary
Avail.	Available
Avg.	Average
AWD	All Wheel Drive
Bal.	Balance
Batt.	Battery
Bbl.	Barrel
Bbl. Carb.	Barrel Carburetor
Bef.	Before
Brg.	Bearing
Brkt.	Bracket
C.	Celsius
C.I.	Cast Iron
C.R.	Compression Ratio
C/L	Centerline
Calib.	Calibration
Calif.	California
Cam	Camshaft
Can.	Canada
Carb.	Carburetor
Cat.	Catalytic
cc	Cubic Centimeter
CCW	Counter Clockwise
CD	Compression Distance
CFFI	Cross Fire Injection
CFI	Central Fuel Injection
CFM	Cubic Feet per Minute
CID	Cubic Inch (Displacement)
Cld.	Cooled
Clg.	Cooling
Clr.	Cooler

ABBREVIATION	DESCRIPTION
cm	Centimeter
Cntr. Bore	Counter Bore
Compl.	Complete
Con. Rod	Connecting Rod
Cruise	Cruise Control
Ctr.	Center
CW	Clockwise
Cyl.	Cylinder
Cyl. Hd.	Cylinder Head
DC	Direct Current
Deg.	Degree
DFI	Digital Fuel Injection
Dia.	Diameter
Dim.	Dimension
Dir. Inj.	Direct Injection
Disc.	Discontinued
Dist.	Distributor
DOHC	Dual Overhead Camshaft
Dr.	Door or Drive
E.E.C.	Electronic Engine Control
E.I.S.	Electronic Ignition System
Ea.	Each
Ecc.	Eccentric
ECM	Electronic Computer Module
ECM	Electronic Control Module
ECM	Engine Control Module
Econ.	Economy
ECS	Electronic Controlled Spark
EFI	Electronic Fuel Injection
Elec.	Electric
Emis.	Emission
Eng.	Engine
Equip.	Equipment
Etc.	Et Cetera
Exc.	Except
Exh.	Exhaust
Exp.	Export
Ext.	Exterior
Ext.	External
F	Fahrenheit
Fed.	Federal
FI	Fuel Injection
Flex.	Flexible
Flg.	Flange
Flwr.	Follower
Frg.	Forged or Forging
Frt.	Front
FWD	Front Wheel Drive
Gal.	Gallon
Gas.	Gasoline
GPH	Gallons Per Hour
GPM	Gallons Per Minute
Grv(s)	Groove(s)
Gskt.	Gasket
GVW	Gross Vehicle Weight
H/D	Heavy Duty
Hd.	Head
HEI	High Energy Ignition
Hi	High



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
Hi Alt.	High Altitude
Hi-Perf.	High Performance
Hi-Temp.	High Temperature
HO	High Output
Horiz.	Horizontal
HP	Horsepower
HSC	High Swirl Combustion
Hyd.	Hydraulic
I/C	Intercooler
I.D.	Identification
ID	Inside Diameter
In. Frm.	In Frame
in.	Inch
Incl.	Includes
Ind.	Industrial
Inj.	Injection
Int.	Intake
Inter.	Intermediate
L	Liter
L.H.	Left Hand
L/D	Light Duty
Lgth.	Length
LPG	Liquid Propane Gas
M/D	Medium Duty
M/T	Manual Transmission
Man.	Manual
Man. Trans.	Manual Transmission
Max.	Maximum
Mech.	Mechanical
MFI	Multi-Port Fuel Injection
Min.	Minimum
mm	Millimeters
MPH	Miles Per Hour
Mtl.	Material
N/A	Not Available
N/R	Not Required
Nat.	Natural
Nat. Asp.	Naturally Aspirated
Neg.	Negative
Neut.	Neutral
No.	Number
Nom.	Nominal
Norm.	Normal
O.A.L.	Overall Length
O.E.	Original Equipment
O/D	Overdrive
O/S	Oversize
Obs.	Obsolete
OD	Outside Diameter
OEM	Original Equipment Manufacturer
OHC	Overhead Cam
OHV	Overhead Valve
Opt.	Optional
Orig.	Original
oz.	Ounce
P. T.O.	Power Take Off
P/S	Power Steering
Pass.	Passenger
Pc(s)	Piece(s)

ABBREVIATION	DESCRIPTION
PCV	Positive Crankcase Ventilation
Perf.	Performance
Pkg.	Package
Pos.	Positive
Prem.	Premium
Pri.	Primary
PSI	Pound Per Square Inch
Pwr.	Power
Qtr.	Quarter
Qty.	Quantity
R.B.P.	Ring Below Pin
R.H.	Right Hand
Ref.	Reference
Reg.	Regular
Reman.	Remanufactured
Req'd	Required
Rev.	Revision
Rev. Rot.	Reverse Rotation
Rlr.	Roller
RMB	Rear Main Bearing
Rot.	Rotation
RPM	Revolutions Per Minute
Rr.	Rear
RWD	Rear Wheel Drive
S/C	Supercharged
Seal. Rings	Sealing Rings
Ser.	Serial or Series
Ser. No.	Serial Number
SFI	Sequential Fuel Injection
Slv.	Sleeve
SOHC	Single Overhead Cam
Spd.	Speed
Spec.	Special
Sta.	Station
Std.	Standard
Sys.	System
T/C	Turbocharged
Tach	Tachometer
TBI	Throttle Body Injection
Temp.	Temperature
TPI	Tuned Port Injection
Trans.	Transmission
Trk.	Truck
TTY	Torque-to-Yield
TURBO	Turbocharged
U/S	Under Size
Veh.	Vehicle
VIN	Vehicle Identification Number
VIV	Valve
VSS	Valve Stem Seal
w/	With
w/o	Without
Wagon	Station Wagon
Wt.	Weight





ENGINE KITS

Sealed Power offers seven different types of Engine Kits and six different types of Camshaft Kits. The catalog references the kit type in the Description with the corresponding kit number, including the kit type prefix.

In addition to the kit types, Sealed Power Engine Kits allow one component substitution and one deletion to fit the specific engine rebuild need.

Kit Component	Master Kit	Master Kit w/o Pistons	Master Kit w/o Rod Brgs & Main Set	Block Kit with Pump & Plugs	Block Kit	Re-Ring Kit w/ Main	Re-Ring Kit
	MKP	MK	505	BKP	BK	205-__ M	205
Rings	Rings	Rings	Rings	Rings	Rings	Rings	Rings
Gaskets	Gaskets	Gaskets	Gaskets	Gaskets	Gaskets	Gaskets	Gaskets
Cam Brgs (Where Applicable)	Cam Brgs	Cam Brgs	Cam Brgs	Cam Brgs	Cam Brgs		
Oil Pump	Oil Pump	Oil Pump	Oil Pump	Oil Pump			
Freeze Plugs	Freeze Plugs	Freeze Plugs	Freeze Plugs	Freeze Plugs			
Camshaft	Camshaft	Camshaft	Camshaft				
Lifters	Lifters	Lifters	Lifters				
Timing Set	Timing Set	Timing Set	Timing Set				
Pistons	Pistons		Pistons	Pistons	Pistons		
Rod Bearings	Rod Bearings	Rod Bearings		Rod Bearings	Rod Bearings	Rod Bearings	Rod Bearings
Main Bearings	Main Bearings	Main Bearings		Main Bearings	Main Bearings	Main Bearings	

CAM CHANGE KITS



Kit Component	Cam & Lifter Kit	Cam & Follower Kit	Cam, Lifter & Follower Kit	Cam, Lifter & Timing Kit	Cam, Follower & Timing Kit	Cam, Lifter, Follower & Timing Kit
	KC-	KC-	KC-	KCT-	KCT-	KCT-
Camshaft	Camshaft	Camshaft	Camshaft	Camshaft	Camshaft	Camshaft
Lifters	Lifters		Lifters	Lifters		Lifters
Followers		Followers	Followers		Followers	Followers
Timing Set				Timing Set	Timing Set	Timing Set
Gaskets						
Prelube	Prelube	Prelube	Prelube	Prelube	Prelube	Prelube

Note: The above tables list the components found in most kits. Some kit components may deviate from this table. Please refer to the Bill of Materials section in the rear of this catalog for a precise listing of components included in each kit.



Acura - See Honda Car AMC

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.4L 85.2 (1397cc) OHV L4 76mm Bore (8 Valve) (Renault Eng.).....	1987-83	1	4.1L 250 OHV V8 3.5" Bore (AMC)	1959-56 10
2.0L 121 (1984cc) SOHC L4 86.5mm Bore (8 Valve) (Audi Eng.).....	1979-77	2	4.2L 258 OHV L6 3.75" Bore.....	1988-71 11
2.5L 150 OHV L4 3.875" Bore (AMC)	1988-83	3	4.7L 287 OHV V8 3.75" Bore	1966-63 12
2.5L 151 OHV L4 4" Bore (Pontiac) (GMC Eng.)	1983-80	4	4.7L 290 OHV V8 3.75" Bore	1969-66 13
3.0L 184 L-HEAD L6 3.125" Bore (Nash).....	1953	5	5.0L 304 OHV V8 3.75" Bore	1979-70 14
3.2L 195.6 OHV L6 3.125" Bore (AMC)	1965-58	6	5.3L 327 OHV V8 4" Bore (Vigilante)	1966-56 15
3.2L 195.6 L-HEAD L6 3.125" Bore (AMC)	1965-52	7	5.6L 343 OHV V8 4.08" Bore	1969-67 16
3.3L 199 OHV L6 3.75" Bore.....	1970-65	8	5.8L 352 OHV V8 4" Bore (Packard).....	1956 17
3.8L 232 OHV L6 3.75" Bore (Hi Torque).....	1979-64	9	5.9L 360 OHV V8 4.08" Bore	1978-70 18
			6.4L 390 OHV V8 4.165" Bore	1970-68 19
			6.6L 401 OHV V8 4.165" Bore	1976-71 20

Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
C3J	1.4L 85.2 (1397cc) OHV L4 76mm Bore (8 Valve) (Renault Eng.)	1		

1.4L 85.2 (1397cc) OHV L4 (8 Valve), 76mm Bore (Renault Eng.) 1987-83 1				
VIN Codes "D" 1983-87, "E" 1983-85, Eng. Code "C3J" 1983-87				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	87-83	60476BF	Std Only Position 3
2.0L 121 (1984cc) SOHC L4 (8 Valve), 86.5mm Bore (Audi Eng.) 1979-77 2				
VIN Codes "G" 1977-79, "K" 1977				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	79-77	222-17	
1	Timing Belt & Tensioner Set	79-77	BTS-17	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Spring Insert	79-77	259-201B	.030"; Carton of 100
8	Spring Insert	79-77	259-201A	.060"; Carton of 100
8	Spring Insert	79-77	259-201ARS	.060"; Carton of 500
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	79-77	381-8036	
2.5L 150 OHV L4 (AMC), 3.875" Bore 1988-83 3				
VIN Code "U" 1983-88				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	87-83	KT3-3SR64S	Incl. (1) 222-3SR64, (1) 223-607, (1) 223-608A
1	Timing Chain	87-83	222-3SR64	Single rlr.; 64 Links
1	Timing Chain Tensioner	87-83	222-167CT	
1	Crank Sprocket	87-83	223-607	24 Teeth
1	Cam Sprocket	87-83	223-608A	48 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	85-83	CS-779	
8	Lifter	85-83	HT-2011	Std Only Hyd.
8	Lifter, Bulk	85-83	HT-2011B	Std Only Hyd.; Carton of 117
1	Prelube	85-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	85-83	KC-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	85-83	KCT-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) KT3-3SR64S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
8	Push Rod	85-83	RP-3236	9.4860" O.A.L.
8	Push Rod, Bulk	85-83	BRP-3236	Carton of 100; 9.4860" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
4	Arm Assy.	85-83	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
4	Arm Assy., Bulk	85-83	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
8	Arm	85-83	R-905A	Stamped rocker arm
4	Bridge	85-83	MR-1840	
4	Pivot	85-83	MR-1909	Incl. 2-pivots & 1-bridge
8	Pivot	85-83	MR-1839	Pivot only

(continued on next page)

AMC

3 2.5L 150 OHV L4 (AMC), 3.875" Bore 1988-83

(cont.) VIN Code "U" 1983-88

V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	4	Exhaust	85-83	V-2295 Std Only	Chrome plated stem; Square cut key groove; 1.5000" Head Dia., .3115" Stem Dia., 4.9390" O.A.L.	
	4	Intake	85-83	V-2294 Std Only	Chrome plated stem; Square cut key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	85-83	VS-822	Cylindrical shape; 1.8340" Free Height	
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Valve Stem Seal	85-83	ST-2043	Positive type; Rubber	
	8	Valve Stem Seal Bulk	85-83	ST-2043B	Positive type; Carton of 1000; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	85-83	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
	4	Exh.	85-83	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	
	4	Int.	85-83	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth	
K I T S	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	K I T S
	16	Keeper	85-83	VK-144	1 groove; Square cut key groove	
	16	Keeper	85-83	VK-144R	1 groove; Square cut key groove; Hardened	
	16	Keeper, Bulk	85-83	VK-144B	1 groove; Square cut key groove; Carton of 1000	
K I T S	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	K I T S
	4	Cast Piston	85-83	525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston	
	4	Cast Piston	85-83	525P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.	
	4	Cast Piston - Individual	85-83	W525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston	
K I T S	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	K I T S
	1	Premium Set	85-83	E-450K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	85-83	E-450X Std-20-30-40-60	2-5/64, 1-3/16	
	4	Premium Single Cylinder Set	85-83	WE-450K Std-20-30-40-60	2-5/64, 1-3/16	
K I T S	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	K I T S
	1	Main Set	85-83	6676M Std-10-20-30		
	1	Rod Set	85-83	4-3310CPA Std-10-20-30-40		
	4	Rod Pair	85-83	3310CPA Std-1-2-10-20-30-40-50-60		
K I T S	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	K I T S
	1	Oil Pump	88-83	224-41198	Replaces pump w/cover having tab & slotted hole	
	1	Pump Repair Kit	88-83	224-51198	Use w/pump having cover w/tab & slotted hole	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	85-83	260-1191	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
K I T S	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	K I T S
	1	Brass Block Plug Kit	85-83	381-8086		
	RE-RING KIT					
	YEARS	DESCRIPTION				
	85-83	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	PREMIUM KIT NO. 205-858 205-858M	ECONOMY KIT NO. 205-358 205-358M
K I T S	OVERHAUL KIT					K I T S
	YEARS	DESCRIPTION				
	85-83	Freeze plugs not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole		Master Master w/o Pistons Master w/o Rods & Mains	PREMIUM KIT NO. MKP-858A MK-858A 505-858A	ECONOMY KIT NO. MKP-358A MK-358A 505-358A

4 2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80

VIN Code "B" 1980-83

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Gear Set	83-80	221-2542LS	Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542	
	1	Crank Gear	83-80	221-2537	27 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	83-80	CS-696		
	8	Lifter	83-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	8	Lifter, Bulk	83-80	HT-969B Std Only	Hyd.; Carton of 128	

(continued on next page)

2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80 4
VIN Code "B" 1980-83 (cont.)

V A L V E T R A I N	QTY 1	CAMSHAFT/LIFTER (cont.) Prelube	YEARS 83-80	PART NO. 55-400	DESCRIPTION 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 8 8	PUSH ROD Push Rod Push Rod, Bulk	YEARS 83-82 83-82	PART NO. RP-3211 BRP-3211	DESCRIPTION 8.9760" O.A.L. Carton of 100; 8.9760" O.A.L.
	QTY 8 8 8 8 8 8 8	ROCKER PARTS Arm Assy. Arm Assy., Bulk Arm Pivot Ball Pivot Ball Nut Bolt	YEARS 83-80 83-80 83-80 83-80 83-80 83-80 83-81	PART NO. R-894 R-894B R-894A MR-1832 MR-1841 MR-1934 MR-1936	DESCRIPTION Incl. arm & 2-pivots Incl. arm & 2-pivots; Carton of 64 Hole I.D. .4365" Hole I.D. .4745" 3/8" x 24 UNF
	QTY 4 4	VALVE Exhaust Intake	YEARS 83-80 83-80	PART NO. V-2203 Std Only V-2204 Std Only	DESCRIPTION Chrome plated stem; 1.5000" Head Dia., .3422" Stem Dia., 4.6200" O.A.L. Chrome plated stem; 1.7200" Head Dia., .3422" Stem Dia., 4.6690" O.A.L.
	QTY 8 8 8 8 8	VALVE GUIDE Guide Guide Guide Guide, Bulk Guide, Bulk	YEARS 83-80 83-80 83-80 83-80 83-80	PART NO. VG-5005 VG-5005H VG-5005T VG-5005B VG-5005TB	DESCRIPTION .3430" ID, 2.2500" O.A.L. Hardened; .3430" ID, 2.2500" O.A.L. Threaded; .3425" ID, 2.2500" O.A.L. Carton of 50; .3430" ID, 2.2500" O.A.L. Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY 8	VALVE SPRING Spring	YEARS 83-80	PART NO. VS-521	DESCRIPTION Incl. damper; 2.1090" Free Height
	QTY 8 8 8 8	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk Valve Stem Seal Bulk	YEARS 83-80 83-80 83-80 83-80	PART NO. ST-2001 MV-1233C MV-1233 ST-2001BC	DESCRIPTION Positive type; Installation requires valve guide machining; Rubber/PTFE O-Ring; Rubber O-Ring; Carton of 100; Rubber Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY 4 4 4 4	VALVE SEAT Exh. Exh. Int. Int.	YEARS 83-80 83-80 83-80 83-80	PART NO. 245-1625-1N Std Only 245-1625-1 Std Only 245-1812-4N Std Only 245-1812-4 Std Only	DESCRIPTION Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth 1.6300" OD, 1.3750" ID, .2160" Depth Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth 1.8175" OD, 1.5625" ID, .2160" Depth
	QTY 16 16 16 8 8 8	VALVE, MISC Keeper Keeper Keeper, Bulk Spring Insert Spring Insert Spring Insert	YEARS 83-80 83-80 83-80 83-80 83-80 83-80	PART NO. VK-115 VK-115R VK-115B 259-201B 259-201A 259-201ARS	DESCRIPTION 1 groove; Square cut key groove 1 groove; Square cut key groove; Hardened 1 groove; Square cut key groove; Carton of 1000 .030"; Carton of 100 .060"; Carton of 100 .060"; Carton of 500
	QTY 4 4 4 4 4 4 4	PISTON Cast Piston Cast Piston Cast Piston Cast Piston Cast Piston Cast Piston Cast Piston	YEARS 83-82 83-80 83-80 81-80 81-80 81-80	PART NO. H553CP Std-20-30-40-60 H547CP Std-20-30-40-60 H547P Std-20-30-40-60 465AP * Std-30-40-60 465NP Std-30-40-60 H553CP Std-20-30-40-60	DESCRIPTION Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R. Use w/E-381K or E-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R. Use w/E-381K or E-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R. Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

4 2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80 (cont.) VIN Code "B" 1980-83

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Cast Piston - Individual	83-82	WH553CP	Std-20-30-40-60 Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston	
	4	Cast Piston - Individual	83-80	WH547CP	Std-20-30-40-60 Use w/WE-384K or WE-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston	
	4	Cast Piston - Individual	83-80	WH547P	Std-20-30-40-60 Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.	
	4	Cast Piston - Individual	81-80	W465NP	Std Only Use w/WE-381K or WE-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.	
	4	Cast Piston - Individual	81-80	WH553CP	Std-20-30-40-60 Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston	
	1	Cast Piston Set w/Prem. Rings	83-80	4KH547CP60	60 Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	83-82	E-384K	Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16	
1	Premium Set	83-80	E-381K	Std-20-30-40-60	Use w/H553CP or 465NP piston; 2-5/64, 1-3/16	
1	Standard Set	83-82	E-384X	Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16	
1	Standard Set	83-80	E-381X	Std-20-30-40-60	Use w/H553CP or 465NP piston; 2-5/64, 1-3/16	
4	Premium Single Cylinder Set	83-82	WE-384K	Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16	
4	Premium Single Cylinder Set	83-80	WE-381K	Std-20-30	Use w/WH553CP or W465NP piston; 2-5/64, 1-3/16	
4	Standard Single Cylinder Set	83-80	WE-381X	Std-20-30-40	Use w/WH553CP or W465NP piston; 2-5/64, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION		
4	Repair Sleeve	83-80	SL-22Y	Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
4	Repair Sleeve	83-80	SL-22M	Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	83-80	6689MA	Std-1-10-20-30	A-Series aluminum bearings	
1	Rod Set	83-80	4-2500RAA	Std-1-10-20-30-40	A-Series aluminum bearings	
1	Rod Set	83-80	4-2500RAA10X2	10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
4	Rod Pair	83-80	2500RAA	Std-1-2-10-20-30-40	A-Series aluminum bearings	
1	Cam Set	83-80	1461M	Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	83-80	224-41239		High Volume, check pan for clearance	
1	Oil Pump	83-80	224-41239V			
1	Inter. Shaft	83-80	224-61239			
1	Screen Assy.	83-80	224-11239			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	83-80	260-1128	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	83-80	381-8045			
	RE-RING KIT					
	YEARS	DESCRIPTION				
	83-82	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove		Re-ring		
					PREMIUM KIT NO. 205-714	
					ECONOMY KIT NO. 205-214	

5 3.0L 184 L-HEAD L6 (Nash), 3.125" Bore 1953

QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	53	SL-9M Std Only	3/32" wall, must be cut to correct length

6 3.2L 195.6 OHV L6 (AMC), 3.125" Bore 1965-58 VIN Codes "B" 1960-65, "C" 1960-65

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	65-64	222-365	w/Cast iron block; 60 Links
1	Timing Chain	64-62	222-354	w/Alum. block; w/3/4" sprocket; Silent type; 1" wide chain; 56 Links

(continued on next page)

3.2L 195.6 OHV L6 (AMC), 3.125" Bore 1965-58 6				
VIN Codes "B" 1960-65, "C" 1960-65 (cont.)				
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	12	Lifter	64-61	HT-2011 Std Only
	12	Lifter, Bulk	64-61	HT-2011B Std Only
	QTY	VALVE GUIDE	YEARS	PART NO.
	6	Guide	65-61	VG-5006
	6	Guide	65-61	VG-5006T
	6	Guide, Bulk	65-61	VG-5006B
	QTY	VALVE SEAL	YEARS	PART NO.
	1	Valve Stem Seal	65-58	ST-2001
	1	Valve Stem Seal	65-58	MV-1765
	1	Valve Stem Seal Bulk	65-58	ST-2001BC
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.
	6	Exh.	65-58	245-1437-3 Std Only
	6	Exh.	65-58	245-1437-3N Std Only
	6	Int.	65-58	245-1625-1N Std Only
	6	Int.	65-58	245-1625-1 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	12	Keeper	65-58	VK-115
	12	Keeper	65-58	VK-115R
	12	Keeper, Bulk	65-58	VK-115B
	QTY	FREEZE PLUGS	YEARS	PART NO.
	1	Brass Block Plug Kit	65-58	381-8000
3.2L 195.6 L-HEAD L6 (AMC), 3.125" Bore 1965-52 7				
VIN Code "A" 1960-65				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	65-52	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth
6	Int.	65-52	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
6	Int.	65-52	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	55-52	SL-9M Std Only	3/32" wall, must be cut to correct length
3.3L 199 OHV L6, 3.75" Bore 1970-65 8				
VIN Codes "A" 1966-70, "B" 1970, "E" 1966, "J" 1965-69, "P" 1968-69				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	70-65	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388
1	Timing Chain	70-65	222-494	48 Links
1	Crank Sprocket	70-65	223-355	18 Teeth
1	Cam Sprocket	70-65	223-388	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	70-65	CS-652	
12	Lifter	70-65	HT-2011 Std Only	Hyd.
12	Lifter, Bulk	70-65	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	70-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	70-65	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	70-65	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm	70-65	R-864	Cast iron
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	70-65	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
6	Intake	70-65	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	70-65	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	70-65	VS-666	w/damper; 2.2600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	70-65	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal Bulk	70-65	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

AMC

8 3.3L 199 OHV L6, 3.75" Bore 1970-65

(cont.) VIN Codes "A" 1966-70, "B" 1970, "E" 1966, "J" 1965-69, "P" 1968-69

QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	70-65	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
6	Exh.	70-65	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
6	Int.	70-65	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
6	Int.	70-65	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	70-65	VK-174	4 groove
24	Keeper	70-65	VK-174R	4 groove; Hardened
12	Spring Insert	70-65	259-103C	.015"; ID 1.030"; Carton of 100
12	Spring Insert	70-65	259-103B	.030"; ID 1.030"; Carton of 100
12	Spring Insert	70-65	259-103BRS	.030"; ID 1.030"; Carton of 500
12	Spring Insert	70-65	259-103A	.060"; ID 1.030"; Carton of 100
12	Spring Insert	70-65	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	70-65	E-222K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	70-65	E-222X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	70-65	WE-222K Std-20-30-40-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	70-65	WE-222X Std-20-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	70-65	SL-19M Std Only	3/32" wall, must be cut to correct length
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	70-65	4289M Std-10-20-30-40-60	
1	Rod Set	70-65	6-3310CPA Std-1-10-20-30-40-50-60	
6	Rod Pair	70-65	3310CPA Std-1-2-10-20-30-40-50-60	
1	Cam Set	70-65	1244M Std-10	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	70-65	224-41199	Replaces pump w/o cover having tab & slotted hole
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	70-65	260-1007	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	70-65	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.
RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
70-65	Premium valve stem seals incl.	Re-ring	205-610	205-110
		Re-ring w/Mains	205-610M	205-110M

9 3.8L 232 OHV L6 (Hi Torque), 3.75" Bore 1979-64

VIN Codes "B" 1966-69, "C" 1968-69, "E" 1967-79, "F" 1966-71, "G" 1966-71, "L" 1964-68, "M" 1966-67 & 1969, "P" 1967-69, "Q" 1970-71, "S" 1965-67, "T" 1967, "V" 1966, "W" 1965

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	79-64	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388
1	Timing Chain	79-64	222-494	48 Links
1	Crank Sprocket	79-64	223-355	18 Teeth
1	Cam Sprocket	79-64	223-388	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	79-76	CS-652	VIN Code "E"
1	Camshaft	75-64	CS-652	
12	Lifter	79-66	HT-2011 Std Only	Hyd.
12	Lifter, Bulk	79-66	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	79-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	79-76	KC-652	VIN Code "E"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	75-66	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-76	KCT-652	VIN Code "E"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75-66	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	79-75	RP-3171	9.5940" O.A.L.
12	Push Rod	74-72	RP-3171	w/o rocker arm shaft; 9.5940" O.A.L.
12	Push Rod	74-72	RP-3163	w/rocker arm shaft; 9.6560" O.A.L.
12	Push Rod	71-68	RP-3163	9.6560" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	79-72	R-905	w/o rocker arm shaft; Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm

(continued on next page)

3.8L 232 OHV L6 (Hi Torque), 3.75" Bore 1979-64 9

VIN Codes "B" 1966-69, "C" 1968-69, "E" 1967-79, "F" 1966-71, "G" 1966-71, "L" 1964-68, "M" 1966-67 (cont.) & 1969, "P" 1967-69, "Q" 1970-71, "S" 1965-67, "T" 1967, "V" 1966, "W" 1965

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
12	Arm Assy., Bulk	79-72	R-905B	w/o rocker arm shaft; Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
12	Arm	79-75	R-905A	Stamped rocker arm
12	Arm	74-72	R-905A	w/o rocker arm shaft; Stamped rocker arm
12	Arm	74-72	R-864	w/rocker arm shaft; Cast iron
12	Arm	71-64	R-864	Cast iron
6	Pivot	79-75	MR-1909	Incl. 2-pivots & 1-bridge
6	Pivot	74-72	MR-1909	w/o rocker arm shaft; Incl. 2-pivots & 1-bridge
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	79-74	V-2023 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
6	Exhaust	73-64	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
6	Intake	79-64	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	79-64	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	79-78	VS-743	1.9900" Free Height
12	Spring	77	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
12	Spring	77	VS-743	w/Rotators; 1.9900" Free Height
12	Spring	76	VS-743	1.9900" Free Height
12	Spring	75	VS-666	w/damper; 2.2600" Free Height
12	Spring	74	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
12	Spring	73-64	VS-666	w/damper; 2.2600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	79-64	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal Bulk	79-64	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	79-64	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
6	Exh.	79-64	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
6	Int.	79-64	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
6	Int.	79-64	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	79-73	VK-115	1 groove; Square cut key groove
24	Keeper	79-73	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper	79-73	VK-174	4 groove
24	Keeper	79-73	VK-174R	4 groove; Hardened
24	Keeper	72-64	VK-138	1 groove; Square cut key groove
24	Keeper	72-64	VK-138R	1 groove; Square cut key groove; Hardened
24	Keeper	72-64	VK-174	4 groove
24	Keeper	72-64	VK-174R	4 groove; Hardened
24	Keeper, Bulk	79-73	VK-115B	1 groove; Square cut key groove; Carton of 1000
24	Keeper, Bulk	72-64	VK-138B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	79-64	259-103C	.015"; ID 1.030"; Carton of 100
12	Spring Insert	79-64	259-103B	.030"; ID 1.030"; Carton of 100
12	Spring Insert	79-64	259-103BRS	.030"; ID 1.030"; Carton of 500
12	Spring Insert	79-64	259-103A	.060"; ID 1.030"; Carton of 100
12	Spring Insert	79-64	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	79-77	456NP Std-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
6	Cast Piston	79-77	456P Std-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
6	Cast Piston	76-68	409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
6	Cast Piston	67-64	409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
6	Cast Piston - Individual	79-77	W456NP * Std Only	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
6	Cast Piston - Individual	79-77	W456P Std-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
6	Cast Piston - Individual	76-68	W409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
6	Cast Piston - Individual	67-64	W409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.

(continued on next page)

9 3.8L 232 OHV L6 (Hi Torque), 3.75" Bore 1979-64

(cont.) VIN Codes "B" 1966-69, "C" 1968-69, "E" 1967-79, "F" 1966-71, "G" 1966-71, "L" 1964-68, "M" 1966-67 & 1969, "P" 1967-69, "Q" 1970-71, "S" 1965-67, "T" 1967, "V" 1966, "W" 1965

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	79-64	E-222K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	79-64	E-222X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	79-64	WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	79-64	WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	79-64	SL-19M Std Only	3/32" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	79-64	4289M Std-10-20-30-40-60		
	1	Rod Set	79-64	6-3310CPA Std-1-10-20-30-40-50-60		
VALVE TRAIN	6	Rod Pair	79-64	3310CPA Std-1-2-10-20-30-40-50-60		VALVE TRAIN
	1	Cam Set	79-64	1244M Std-10		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	79-67	224-43428	Incl. pump & screen	
	1	Oil Pump	79-64	224-41199	Replaces pump w/o cover having tab & slotted hole	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	79-64	260-1007	Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	79-64	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	
	RE-RING KIT					
	YEARS	DESCRIPTION				
	79-64	Premium valve stem seals incl.		Re-ring	205-610	205-110
				Re-ring w/Mains	205-610M	205-110M

10 4.1L 250 OHV V8 (AMC), 3.5" Bore 1959-56

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	59-56	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	59-56	223-281	Use w/5/8" wide chain; 23 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	59-57	AT-937 Std Only	Barrel shaped mech.	
	16	Lifter	59-57	AT-2084 Std Only	Dumbbell shaped mech.	
	16	Lifter	57-56	HT-879 Std Only	Exc. Hudson; Hyd.	
	16	Lifter, Bulk	59-57	AT-937B Std Only	Barrel shaped mech.; Carton of 117	
	16	Lifter, Bulk	59-57	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	8	Exhaust	59	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.	VALVE TRAIN
	8	Intake	59	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	59-56	VS-666	w/damper; 2.2600" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	59	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	16	Valve Stem Seal	58-56	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	16	Valve Stem Seal	59	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber	
	16	Valve Stem Seal Bulk	59	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	16	Valve Stem Seal Bulk	59	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber	
	16	Valve Stem Seal Bulk	58-56	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Exh.	59-56	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth	
	8	Exh.	59-56	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth	
	8	Int.	59-56	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
	8	Int.	59-56	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	59	VK-174	4 groove	
	32	Keeper	59	VK-174R	4 groove; Hardened	
	32	Keeper	58-56	VK-115	1 groove; Square cut key groove	
	32	Keeper	58-56	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	58-56	VK-115B	1 groove; Square cut key groove; Carton of 1000	

(continued on next page)

4.1L 250 OHV V8 (AMC), 3.5" Bore 1959-56 10
 (cont.)

B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	59-56	E-236K Std-30	2-5/64, 1-3/16	
	1	Standard Set	59-56	E-236X Std-30-40	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	59-56	WE-236K Std-30	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	59-56	WE-236X Std-30-40	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	59-56	SL-15M Std Only	3/32" wall, Must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	59-56	4010M Std-10-20		
	8	Rod Pair	59-56	2230CP Std-10-20		

4.2L 258 OHV L6, 3.75" Bore 1988-71 11
 VIN Codes "A" 1971-79, "B" 1971, "C" 1976-88

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	88-82	KT3-504S	Incl. (1) 222-504, (1) 223-355, (1) 223-388	
	1	3 Piece Set	81-71	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388	
	1	Timing Chain	88-82	222-504	48 Links	
	1	Timing Chain	81-71	222-494	48 Links	
	1	Crank Sprocket	88-71	223-355	18 Teeth	
	1	Cam Sprocket	88-71	223-388	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	88-81	CS-713		
	1	Camshaft	80-79	CS-652	VIN Code "A"	
V A L V E T R A I N	1	Camshaft	80-79	CS-652	VIN Code "C"; w/M/T	V A L V E T R A I N
	1	Camshaft	78-76	CS-652	VIN Code "A"	
	1	Camshaft	75-71	CS-652		
	12	Lifter	88-71	HT-2011 Std Only	Hyd.	
	12	Lifter, Bulk	88-71	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	88-71	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	88-81	KC-713	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	80-79	KC-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	80-79	KC-652	VIN Code "C"; w/M/T; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
V A L V E T R A I N	1	Cam/Lifter Kit	78-76	KC-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	V A L V E T R A I N
	1	Cam/Lifter Kit	75-71	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	88-82	KCT-713A	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) KT3-504S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	81	KCT-713	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-79	KCT-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-79	KCT-652	VIN Code "C"; w/M/T; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	78-76	KCT-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	75-71	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	88-81	RP-3180	9.6800" O.A.L.	
V A L V E T R A I N	12	Push Rod	80-75	RP-3171	9.5940" O.A.L.	V A L V E T R A I N
	12	Push Rod	74-72	RP-3171	w/o rocker arm shaft; 9.5940" O.A.L.	
	12	Push Rod	74-72	RP-3163	w/rocker arm shaft; 9.6560" O.A.L.	
	12	Push Rod	71	RP-3163	9.6560" O.A.L.	
	12	Push Rod, Bulk	88-81	BRP-3180	Carton of 100; 9.6800" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	6	Arm Assy.	88-75	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm w/o rocker arm shaft; Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm	
	6	Arm Assy.	74-72	R-905		
	6	Arm Assy., Bulk	88-75	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32	
	6	Arm Assy., Bulk	74-72	R-905B	w/o rocker arm shaft; Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32	
V A L V E T R A I N	12	Arm	88-75	R-905A	Stamped rocker arm	V A L V E T R A I N
	12	Arm	74-72	R-905A	w/o rocker arm shaft; Stamped rocker arm	
	12	Arm	74-72	R-864	w/rocker arm shaft; Cast iron	
	12	Arm	71	R-864	Cast iron	
	6	Bridge	88-72	MR-1840		
	6	Pivot	88-75	MR-1909	Incl. 2-pivots & 1-bridge	

(continued on next page)

11 4.2L 258 OHV L6, 3.75" Bore 1988-71 (cont.) VIN Codes "A" 1971-79, "B" 1971, "C" 1976-88

V A L V E T R A I N	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Pivot	88-75	MR-1839	Pivot only
	6	Pivot	74-72	MR-1909	w/o rocker arm shaft; Incl. 2-pivots & 1-bridge
	12	Pivot	74-72	MR-1839	w/o rocker arm shaft; Pivot only
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	88-81	V-2205 Std Only	1 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Exhaust	80-74	V-2023 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Exhaust	73-71	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Intake	88-81	V-2206 Std Only	1 groove; Chrome plated stem; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	80-74	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	73-71	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	88-71	VG-5062	.3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	88-78	VS-743	1.9900" Free Height
	12	Spring	77	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	77	VS-743	w/Rotators; 1.9900" Free Height
	12	Spring	76	VS-743	1.9900" Free Height
	12	Spring	75	VS-666	w/damper; 2.2600" Free Height
	12	Spring	74	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	73-71	VS-666	w/damper; 2.2600" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	88-71	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	88-71	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	88-71	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	88-71	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	88-71	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	6	Int.	88-71	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	88-81	VK-138	1 groove; Square cut key groove
V A L V E T R A I N	12	Keeper	88-81	VK-138R	1 groove; Square cut key groove; Hardened
	12	Keeper	80-75	VK-174	4 groove
	12	Keeper	80-75	VK-174R	4 groove; Hardened
	12	Keeper	74-73	VK-115	1 groove; Square cut key groove
	12	Keeper	74-73	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper	74-73	VK-174	4 groove
	24	Keeper	74-73	VK-174R	4 groove; Hardened
	24	Keeper	72-71	VK-138	1 groove; Square cut key groove
	24	Keeper	72-71	VK-138R	1 groove; Square cut key groove; Hardened
	24	Keeper	72-71	VK-174	4 groove
V A L V E T R A I N	24	Keeper	72-71	VK-174R	4 groove; Hardened
	12	Keeper, Bulk	88-81	VK-138B	1 groove; Square cut key groove; Carton of 1000
	12	Keeper, Bulk	74-73	VK-115B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	72-71	VK-138B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	88-71	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	88-71	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	88-71	259-103BRS	.030"; ID 1.030"; Carton of 500
	12	Spring Insert	88-71	259-103A	.060"; ID 1.030"; Carton of 100
	12	Spring Insert	88-71	259-103ARS	.060"; ID 1.030"; Carton of 500
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	88-80	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	88-80	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
B L O C K	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep

(continued on next page)

4.2L 258 OHV L6, 3.75" Bore 1988-71 11

VIN Codes "A" 1971-79, "B" 1971, "C" 1976-88 (cont.)

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	79	456NP Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
6	Cast Piston	79	456P Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
6	Cast Piston	78-77	456NP Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
6	Cast Piston	78-77	456P Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
6	Cast Piston	76-71	409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
6	Cast Piston - Individual	88-80	W470NP Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
6	Cast Piston - Individual	88-80	W470AP * Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep	
6	Cast Piston - Individual	79	W470NP Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
6	Cast Piston - Individual	79	W470AP * Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep	
6	Cast Piston - Individual	79	W456NP * Std Only	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
6	Cast Piston - Individual	79	W456P Std-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
6	Cast Piston - Individual	78-77	W456NP * Std Only	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
6	Cast Piston - Individual	78-77	W456P Std-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
6	Cast Piston - Individual	76-71	W409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
1	Cast Piston Set w/Prem. Rings	88-80	6K470NP30 30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
1	Cast Piston Set w/Prem. Rings	79	6K470NP30 30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	88-71	E-222K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	88-71	E-222X Std-20-30-40-60	2-5/64, 1-3/16	
6	Premium Single Cylinder Set	88-71	WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
6	Standard Single Cylinder Set	88-71	WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve	88-71	SL-19M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	88-71	4289M Std-10-20-30-40-60		
1	Rod Set	88-71	6-3310CPA Std-1-10-20-30-40-50-60		
6	Rod Pair	88-71	3310CPA Std-1-2-10-20-30-40-50-60		
1	Cam Set	88-71	1244M Std-10		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	88-83	224-41198	Replaces pump w/cover having tab & slotted hole	
1	Oil Pump	82-80	224-43428	Exc. Eagle; Incl. pump & screen	
1	Oil Pump	82-71	224-41199	Replaces pump w/o cover having tab & slotted hole	
1	Oil Pump	79-71	224-43428	Incl. pump & screen	
1	Pump Repair Kit	88-83	224-51198	Use w/pump having cover w/tab & slotted hole	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	88-86	260-1193	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	85-81	260-1134	Premium valve stem seals incl.	
1	Kit Gasket Set	80-71	260-1007	Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	88-71	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	
RE-RING KIT					
YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
88-86	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-860 205-860M	205-360 205-360M

(continued on next page)

11 4.2L 258 OHV L6, 3.75" Bore 1988-71

(cont.) VIN Codes "A" 1971-79, "B" 1971, "C" 1976-88

KITS

RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
85-81	Premium valve stem seals incl.	Re-ring	205-716	205-216
		Re-ring w/Mains	205-716M	205-216M
80-71	Premium valve stem seals incl.	Re-ring	205-610	205-110
		Re-ring w/Mains	205-610M	205-110M
OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
88-86	VIN Code "C"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.	Block	BK-6197	----
88-86	VIN Code "C"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	Block w/Pump & Freeze Plugs	BKP-6197	----
88-86	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	Master w/o Pistons	MK-860C	MK-360C
88-86	VIN Code "C"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	Master	MKP-860C	MKP-360C

KITS

12 4.7L 287 OHV V8, 3.75" Bore 1966-63

VIN Codes "H" 1966, "N" 1966, "T" 1966

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	66-65	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	66-65	223-281	Use w/5/8" wide chain; 23 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	66-63	HT-2011 Std Only	Hyd.	
	16	Lifter, Bulk	66-63	HT-2011B Std Only	Hyd.; Carton of 117	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	66-63	RP-3083	8.6870" O.A.L.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	66-63	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.	
B L O C K	8	Intake	66-63	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.	B L O C K
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	66-63	VS-666	w/damper; 2.2600" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	66-63	ST-2011	No tools req'd.; Positive type; Rubber/PTFE	
	16	Valve Stem Seal Bulk	66-63	ST-2011BC	No tools req'd.; Positive type; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	66-63	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth	
	8	Exh.	66-63	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth	
	8	Int.	66-63	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
	8	Int.	66-63	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K
	32	Keeper	66-63	VK-138	1 groove; Square cut key groove	
	32	Keeper	66-63	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper	66-63	VK-174	4 groove	
	32	Keeper	66-63	VK-174R	4 groove; Hardened	
	32	Keeper, Bulk	66-63	VK-138B	1 groove; Square cut key groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	66-63	E-240K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	66-63	E-240X Std-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	66-63	WE-240K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	66-63	WE-240X Std-30-40-60	2-5/64, 1-3/16	
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Repair Sleeve	66-63	SL-19M Std Only	3/32" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	66-63	4010M Std-10-20		
	8	Rod Pair	66-63	2230CP Std-10-20		

VIN Codes "C" 1966-67, "D" 1966-67, "H" 1966-69, "M" 1968-69, "N" 1966-69, "U" 1967

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	69-66	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
1	Timing Chain	69-66	222-349	5/8" wide; 62 Links
1	Crank Sprocket	69-66	223-281	Use w/5/8" wide chain; 23 Teeth
1	Cam Sprocket	69-66	223-412	Use w/5/8" wide chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	69-66	CS-646	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	69-66	CS-1026R	
16	Lifter	69-66	HT-2011 Std Only	Hyd.
16	Lifter	69-66	HT-2011R Std Only	Hyd. Hi-Rev
16	Lifter, Bulk	69-66	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	69-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	69-66	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B
1	Cam/Lifter Kit	69-66	KC-1026R	
1	Cam/Lifter/Timing Kit	69-66	KCT-646	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	69-66	R-853	Incl. arm, ball & nut
16	Arm	69-66	R-853A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	69-66	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
8	Intake	69-66	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	69-66	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	69-66	VS-703	2.0560" Free Height
16	Spring, Bulk	69-66	VS-703B	Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	69-66	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	69-66	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	69-66	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
8	Exh.	69-66	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
8	Int.	69-66	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
8	Int.	69-66	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	69-66	VK-138	1 groove; Square cut key groove
32	Keeper	69-66	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper	69-66	VK-174	4 groove
32	Keeper	69-66	VK-174R	4 groove; Hardened
32	Keeper, Bulk	69-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	69-66	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	69-66	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	69-66	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	69-66	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	69-66	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	69-66	E-240K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	69-66	E-240X Std-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	69-66	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	69-66	WE-240X Std-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	69-66	SL-19M Std Only	3/32" wall, must be cut to correct length
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-66	5037M Std-1-10-20-30	
1	Rod Set	69-66	8-3310CPA Std-1-10-20-30-40	
8	Rod Pair	69-66	3310CPA Std-1-2-10-20-30-40-50-60	

(continued on next page)

13 4.7L 290 OHV V8, 3.75" Bore 1969-66

(cont.) VIN Codes "C" 1966-67, "D" 1966-67, "H" 1966-69, "M" 1968-69, "N" 1966-69, "U" 1967

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	(cont.) Cam Set	69-66	1401M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	69-66	224-51285		
	1	Screen Assy.	69-66	224-14161		
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	69-66	260-1010	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	69-66	260-4008		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	69-66	381-8001		
RE-RING KIT						
YEARS		DESCRIPTION				
69-66		Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring			
					PREMIUM KIT NO. 205-617	ECONOMY KIT NO. 205-117

14 5.0L 304 OHV V8, 3.75" Bore 1979-70

VIN Codes "H" 1970-79, "I" 1970-71, "M" 1971-74

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	79-70	KT3-369S	1/2" wide timing sprocket teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) 222-369, (1) 223-512, (1) 223-515	
	1	3 Piece Set	79-70	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412	
	1	Timing Chain	79	222-369	1/2" wide; 62 Links	
	1	Timing Chain	79-70	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	79	223-515	Use w/1/2" wide chain; 23 Teeth	
	1	Crank Sprocket	79-70	223-281	Use w/5/8" wide chain; 23 Teeth	
	1	Cam Sprocket	79	223-512	Use w/1/2" wide chain; 46 Teeth	
	1	Cam Sprocket	79-70	223-412	Use w/5/8" wide chain; 46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	79	CS-828 +	When depleted use CS-646	
	1	Camshaft	79-70	CS-646		
	1	Performance Cam	79-70	CS-1026R	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 110 Degrees	
	16	Lifter	79-70	HT-2011 Std Only	Hyd.	
	16	Lifter	79-70	HT-2011R Std Only	Hyd. Hi-Rev	
	16	Lifter, Bulk	79-70	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	79-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	79	KC-828 +	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B; When depleted use KC-646	
	1	Cam/Lifter Kit	79-70	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	79-70	KC-1026R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	79-70	KCT-646A	Hyd.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) CS-646, (16) HT-2011, (1) KT3-369S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	79-70	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	79-70	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	79-70	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	79-70	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Arm Assy.	79-73	R-875	Incl. 2-arms, 2-pivots & 1-bridge	
	16	Arm Assy.	72-70	R-853	Incl. arm, ball & nut	
	8	Arm Assy., Bulk	79-73	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32	
	16	Arm	79-73	R-875A		
	16	Arm	72-70	R-853A		
	8	Bridge	79-70	MR-1840		
	16	Pivot	76-70	MR-1839	Pivot only	

(continued on next page)

5.0L 304 OHV V8, 3.75" Bore 1979-70 14
VIN Codes "H" 1970-79, "I" 1970-71, "M" 1971-74 (cont.)

QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	79-73	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.	V
8	Exhaust	72-70	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.	
8	Intake	79-73	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.	
8	Intake	72-70	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V
16	Guide	79-70	VG-5062	.3735" ID, 2.3800" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	79-78	VS-743	1.9900" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	T
16	Valve Stem Seal	79-70	ST-2002	Installation requires valve guide machining; Polyacrylate	
16	Valve Stem Seal	71-70	MV-1771C	Umbrella type; Polyacrylate	
16	Valve Stem Seal Bulk	79-70	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
16	Valve Stem Seal Bulk	71-70	MV-1771	Umbrella type; Carton of 100; Polyacrylate	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	R
8	Exh.	79-70	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth	
8	Exh.	79-70	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth	
8	Int.	79-70	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
8	Int.	79-70	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B
32	Keeper	79-73	VK-174	4 groove	
32	Keeper	79-73	VK-174R	4 groove; Hardened	
32	Keeper	72-70	VK-138	1 groove; Square cut key groove	
32	Keeper	72-70	VK-138R	1 groove; Square cut key groove; Hardened	
32	Keeper	72-70	VK-174	4 groove	
32	Keeper	72-70	VK-174R	4 groove; Hardened	
32	Keeper, Bulk	72-70	VK-138B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	79-70	259-102C	.015"; Carton of 100	
16	Spring Insert	79-70	259-102B	.030"; Carton of 100	
16	Spring Insert	79-70	259-102A	.060"; Carton of 100	
16	Spring Insert	79-70	259-102ARS	.060"; Carton of 500	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B
8	Cast Piston	79-70	1079P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .130" deep x 3.320" dia. - 8.4:1 C.R.	
8	Cast Piston - Individual	79-70	W1079P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .130" deep x 3.320" dia. - 8.4:1 C.R.	B
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	79-70	E-240K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	79-70	E-240X Std-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	79-70	WE-240K Std-20-30-40-60	2-5/64, 1-3/16	B
8	Standard Single Cylinder Set	79-70	WE-240X Std-30-40-60	2-5/64, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve	79-70	SL-19M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B
1	Main Set	79-70	5037M Std-1-10-20-30		
1	Rod Set	79-70	8-3310CPA Std-1-10-20-30-40		
8	Rod Pair	79-70	3310CPA Std-1-2-10-20-30-40-50-60		
1	Cam Set	79-70	1401M Std Only		B
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Pump Repair Kit	79-70	224-51285		
1	Screen Assy.	79-78	224-14161	Exc. Pacer	
1	Screen Assy.	77-73	224-14161		B
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	79-70	260-1010	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	79-70	260-4008		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	79-70	381-8001		B
RE-RING KIT	YEARS	DESCRIPTION			
79-70		Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	PREMIUM KIT NO. 205-617	ECONOMY KIT NO. 205-117

(continued on next page)

14 5.0L 304 OHV V8, 3.75" Bore 1979-70					
(cont.) VIN Codes "H" 1970-79, "I" 1970-71, "M" 1971-74					
K I T S	OVERHAUL KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
				MKP-617A MK-617A	MKP-117A MK-117A
	79-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives	Master Master w/o Pistons		
	79-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives	Master Master w/o Pistons	MKP-617C MK-617C	MKP-117C MK-117C
15 5.3L 327 OHV V8 (Vigilante), 4" Bore 1966-56					
VIN Codes "J" 1966, "K" 1966, "P" 1966, "Q" 1966, "U" 1966, "W" 1966					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	66-57	222-349	5/8" wide; 62 Links
	1	Crank Sprocket	66-57	223-281	Use w/5/8" wide chain; 23 Teeth
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	66-61	HT-2011 Std Only	Hyd.
	16	Lifter	60-57	HT-879 Std Only	Hyd.
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	66-61	RP-3083	8.6870" O.A.L.
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	66-59	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	8	Intake	66-59	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	66-57	VS-666	w/damper; 2.2600" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	66-63	ST-2011	Positive type; Rubber/PTFE
	16	Valve Stem Seal	62-59	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	66-57	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	8	Exh.	66-57	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	66-59	VK-174	4 groove
	32	Keeper	66-59	VK-174R	4 groove; Hardened
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	58-57	VK-115	1 groove; Square cut key groove
	32	Keeper	58-57	VK-115R	1 groove; Square cut key groove; Hardened
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper, Bulk	58-57	VK-115B	1 groove; Square cut key groove; Carton of 1000
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	66-57	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	66-57	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	66-57	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	66-57	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	8	Premium Single Cylinder Set	66-57	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	66-57	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	66-57	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	66-57	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	66-56	4010M Std-10-20	
	8	Rod Pair	66-56	2230CP Std-10-20	

5.6L 343 OHV V8, 4.08" Bore 1969-67 16

VIN Codes "J" 1967, "K" 1967, "Q" 1967, "R" 1967, "S" 1968-69, "T" 1968-69, "V" 1967, "W" 1967, "X" 1967-69, "Z" 1967-69

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	69-67	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
1	Timing Chain	69-67	222-349	5/8" wide; 62 Links
1	Crank Sprocket	69-67	223-281	Use w/5/8" wide chain; 23 Teeth
1	Cam Sprocket	69-67	223-412	Use w/5/8" wide chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	69-67	CS-646	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	69-67	CS-1026R	Hyd.
16	Lifter	69-67	HT-2011 Std Only	Hyd. Hi-Rev
16	Lifter	69-67	HT-2011R Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	69-67	HT-2011B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	69-67	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	69-67	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	69-67	KC-1026R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	69-67	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	69-67	R-853	Incl. arm, ball & nut
16	Arm	69-67	R-853A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	69-67	V-1830 Std Only	1 groove; 1.6250" Head Dia., .3710" Stem Dia., 4.9180" O.A.L.
8	Intake	69-67	V-1831 Std Only	1 groove; 2.0150" Head Dia., .3715" Stem Dia., 4.8990" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	69-67	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	69-67	VS-703	2.0560" Free Height
16	Spring, Bulk	69-67	VS-703B	Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	69-67	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	69-67	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	69-67	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	69-67	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	69-67	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	69-67	VK-138	1 groove; Square cut key groove
32	Keeper	69-67	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	69-67	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	69-67	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	69-67	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	69-67	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	69-67	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	69-67	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	69-67	E-301K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	69-67	E-301X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	69-67	WE-301K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	69-67	WE-301X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-67	5037M Std-1-10-20-30	
1	Rod Set	69-67	8-3310CPA Std-1-10-20-30-40	
8	Rod Pair	69-67	3310CPA Std-1-2-10-20-30-40-50-60	
1	Cam Set	69-67	1401M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	69-67	224-51285	
1	Screen Assy.	69-67	224-14161	

(continued on next page)

16 5.6L 343 OHV V8, 4.08" Bore 1969-67						
(cont.) VIN Codes "J" 1967, "K" 1967, "Q" 1967, "R" 1967, "S" 1968-69, "T" 1968-69, "V" 1967, "W" 1967, "X" 1967-69, "Z" 1967-69						
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-67	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	69-67	260-4008		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-67	381-8001		
	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	69-67	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-715 205-715M	205-215 205-215M	
17 5.8L 352 OHV V8 (Packard), 4" Bore 1956						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain	56	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	56	223-281	Use w/5/8" wide chain; 23 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	56	HT-879 Std Only	Hyd.	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	56	VK-138	1 groove; Square cut key groove	
	32	Keeper	56	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	56	VK-138B	1 groove; Square cut key groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	56	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	56	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	56	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	56	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	56	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	56	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	56	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	56	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
18 5.9L 360 OHV V8, 4.08" Bore 1978-70						
VIN Codes "H" 1971, "N" 1970-78, "P" 1970-76						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	78-70	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412	
	1	Timing Chain	78-70	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	78-70	223-281	Use w/5/8" wide chain; 23 Teeth	
	1	Cam Sprocket	78-70	223-412	Use w/5/8" wide chain; 46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	78-70	CS-646	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees	
	1	Performance Cam	78-70	CS-1026R		
	16	Lifter	78-70	HT-2011 Std Only	Hyd.	
	16	Lifter	78-70	HT-2011R Std Only	Hyd. Hi-Rev	
	16	Lifter, Bulk	78-70	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	78-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	78-70	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	78-70	KC-1026R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	78-70	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	78-70	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	78-70	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	78-70	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
	16	Push Rod	78-70	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
	16	Push Rod	78-70	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	78-70	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	16	Push Rod, Bulk	78-70	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
	16	Push Rod, Bulk	78-70	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	78-74	R-875	Incl. 2-arms, 2-pivots & 1-bridge	
	16	Arm Assy.	73-70	R-853	Incl. arm, ball & nut	

(continued on next page)

5.9L 360 OHV V8, 4.08" Bore 1978-70 18
VIN Codes "H" 1971, "N" 1970-78, "P" 1970-76 (cont.)

VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy., Bulk	78-74	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32
	16	Arm	78-74	R-875A	
	16	Arm	73-70	R-853A	
	8	Bridge	78-70	MR-1840	
VALVE TRAIN	16	Pivot	78-70	MR-1839	Pivot only
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	78-75	V-2024 Std Only	4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust	74-73	V-2024 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust	74-73	V-1980 Std Only	w/Rotators; 1 groove; w/Rotocaps; 1.6800" Head Dia., .3710" Stem Dia., 4.9290" O.A.L.
	8	Exhaust	72	V-1830 Std Only	Early Eng's.; 1 groove; 1.6250" Head Dia., .3710" Stem Dia., 4.9180" O.A.L.
	8	Exhaust	72	V-2024 Std Only	Late Eng's.; 4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust	71-70	V-1830 Std Only	1 groove; 1.6250" Head Dia., .3710" Stem Dia., 4.9180" O.A.L.
	8	Exhaust, Bulk	78-75	V-2024B Std Only	4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust, Bulk	74-73	V-2024B Std Only	w/o Rotators; 4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust, Bulk	72	V-2024B Std Only	Late Eng's.; 4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Intake	78-73	V-1979 Std Only	4 groove; 2.0260" Head Dia., .3719" Stem Dia., 4.8980" O.A.L.
	8	Intake	72-70	V-1831 Std Only	1 groove; 2.0150" Head Dia., .3715" Stem Dia., 4.8990" O.A.L.
	8	Intake, Bulk	78-73	V-1979B Std Only	4 groove; Carton of 25; 2.0256" Head Dia., .3719" Stem Dia., 4.8976" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	78-70	VG-5062	.3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	78	VS-743	Exh. & Int.; 1.9900" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	78-70	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	78-70	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	78-70	245-1750-3N Std Only	Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth
	8	Exh.	78-70	245-1750-3 Std Only	1.7555" OD, 1.4375" ID, .2160" Depth
	8	Int.	78-70	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	78-75	VK-174	Exh. & Int.; 4 groove
	32	Keeper	78-75	VK-174R	Exh. & Int.; 4 groove; Hardened
	32	Keeper	74-73	VK-138	Exh.; 1 groove; Square cut key groove
	32	Keeper	74-73	VK-138R	Exh.; 1 groove; Square cut key groove; Hardened
	32	Keeper	74-73	VK-174	Int.; 4 groove
	32	Keeper	74-73	VK-174R	Int.; 4 groove; Hardened
	32	Keeper	72-70	VK-138	Exh. & Int.; 1 groove; Square cut key groove
	32	Keeper	72-70	VK-138R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	74-73	VK-138B	Exh.; 1 groove; Square cut key groove; Carton of 1000
	32	Keeper, Bulk	72-70	VK-138B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	78-70	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	78-70	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	78-70	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	78-70	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	78-70	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	78-70	362NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	78-70	362NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston - Individual	78-70	W362NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs; DurOshield® skirt coated piston

(continued on next page)

18 5.9L 360 OHV V8, 4.08" Bore 1978-70

(cont.) VIN Codes "H" 1971, "N" 1970-78, "P" 1970-76

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	78-70	W362NP	Std-20-30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs - 9.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	78-70	E-301K	Std-20-30-40-60 2-5/64, 1-3/16	
	1	Standard Set	78-70	E-301X	Std-20-30-40-60 2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	78-70	WE-301K	Std-20-30-40-60 2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	78-70	WE-301X	Std-20-30-40-60 2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	78-70	5037M	Std-1-10-20-30	
	1	Rod Set	78-70	8-3310CPA	Std-1-10-20-30-40	
KITS	8	Rod Pair	78-70	3310CPA	Std-1-2-10-20-30-40-50-60	KITS
	1	Cam Set	78-70	1401M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	78-70	224-51285		
	1	Screen Assy.	78-70	224-14161		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	78-70	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	78-70	260-4008		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	78-70	381-8001		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	78-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-715	205-215
			Re-ring w/Mains		205-715M	205-215M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	78-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Block		BK-6198	----

19 6.4L 390 OHV V8, 4.165" Bore 1970-68

VIN Codes "W" 1968-69, "X" 1968-70, "Y" 1970

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	70-68	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412	
	1	Timing Chain	70-68	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	70-68	223-281	Use w/5/8" wide chain; 23 Teeth	
	1	Cam Sprocket	70-68	223-412	Use w/5/8" wide chain; 46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	70-68	CS-646	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 110 Degrees	
	1	Performance Cam	70-68	CS-1026R		
	16	Lifter	70-68	HT-2011	Std Only Hyd.	
	16	Lifter	70-68	HT-2011R	Std Only Hyd. Hi-Rev	
	16	Lifter, Bulk	70-68	HT-2011B	Std Only Hyd.; Carton of 117	
	1	Prelube	70-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	70-68	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	70-68	KC-1026R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	70-68	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	70	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	70	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm Assy.	70-68	R-853	Incl. arm, ball & nut	
	16	Arm	70-68	R-853A		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	70-68	V-1830	Std Only 1 groove; 1.6250" Head Dia., .3710" Stem Dia., 4.9180" O.A.L.	
	8	Intake	70-68	V-1831	Std Only 1 groove; 2.0150" Head Dia., .3715" Stem Dia., 4.8990" O.A.L.	

(continued on next page)

6.4L 390 OHV V8, 4.165" Bore 1970-68 19					
VIN Codes "W" 1968-69, "X" 1968-70, "Y" 1970 (cont.)					
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	70-68	VG-5062	.3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	70-68	VS-703	2.0560" Free Height
	16	Spring, Bulk	70-68	VS-703B	Carton of 250; 2.0560" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	70-68	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	70-68	MV-1771C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	70-68	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	70-68	MV-1771	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	70-68	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	8	Exh.	70-68	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	8	Exh.	70-68	245-1687-3 Std Only	1.6925" OD, 1.4375" ID, .2480" Depth
	8	Int.	70-68	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	70-68	VK-138	1 groove; Square cut key groove
	32	Keeper	70-68	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	70-68	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	70-68	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	70-68	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	70-68	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	70-68	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	70-68	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	70-68	E-302K30 30-40-60	2-5/64, 1-3/16
	1	Standard Set	70-68	E-302X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	70-68	WE-302K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	70-68	WE-302X30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	70	4950M10 10-20-30	
	1	Main Set	69-68	5037M Std-1-10-20-30	
	1	Cam Set	70-68	1401M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	70-68	224-51285	
	1	Screen Assy.	70-68	224-14161	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	70-68	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	70-68	260-4008	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	70-68	381-8001	
6.6L 401 OHV V8, 4.165" Bore 1976-71 20					
VIN Code "Z" 1971-76					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	74-71	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
	1	Timing Chain	76-71	222-349	5/8" wide; 62 Links
	1	Crank Sprocket	76-71	223-281	Use w/5/8" wide chain; 23 Teeth
	1	Cam Sprocket	76-71	223-412	Use w/5/8" wide chain; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	74-71	CS-646	
	1	Performance Cam	74-71	CS-1026R	Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 110 Degrees
	16	Lifter	74-71	HT-2011 Std Only	Hyd.
	16	Lifter	74-71	HT-2011R Std Only	Hyd. Hi-Rev
	16	Lifter, Bulk	74-71	HT-2011B Std Only	Hyd.; Carton of 117
	1	Prelube	74-71	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	74-71	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B
	1	Cam/Lifter Kit	74-71	KC-1026R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1026R, (16) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-71	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B

(continued on next page)

20 6.6L 401 OHV V8, 4.165" Bore 1976-71 (cont.) VIN Code "Z" 1971-76

V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	74-71	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	74-71	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	74-71	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	74-71	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	74-71	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	74-71	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	74-71	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	74-71	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	74	R-875	Incl. 2-arms, 2-pivots & 1-bridge
	16	Arm Assy.	73-71	R-853	Incl. arm, ball & nut
	8	Arm Assy., Bulk	74	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32
	16	Arm	74	R-875A	
	16	Arm	73-71	R-853A	
	8	Bridge	74	MR-1840	
	8	Pivot	74	MR-1909	Incl. 2-pivots & 1-bridge
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	74-73	V-2024 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust	74-73	V-1980 Std Only	w/Rotators; 1 groove; w/Rotocaps; 1.6800" Head Dia., .3710" Stem Dia., 4.9290" O.A.L.
	8	Exhaust	72-71	V-2024 Std Only	4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust, Bulk	74-73	V-2024B Std Only	w/o Rotators; 4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust, Bulk	72-71	V-2024B Std Only	4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Intake	74-73	V-1979 Std Only	4 groove; 2.0260" Head Dia., .3719" Stem Dia., 4.8980" O.A.L.
	8	Intake	72-71	V-1831 Std Only	1 groove; 2.0150" Head Dia., .3715" Stem Dia., 4.8990" O.A.L.
	8	Intake, Bulk	74-73	V-1979B Std Only	4 groove; Carton of 25; 2.0256" Head Dia., .3719" Stem Dia., 4.8976" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	74-71	VG-5062	Exh. & Int.; .3735" ID, 2.3800" O.A.L.
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	74-71	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	74-71	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	74-71	245-1750-3N Std Only	Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth
	8	Exh.	74-71	245-1750-3 Std Only	1.7555" OD, 1.4375" ID, .2160" Depth
	8	Int.	74-71	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	74-73	VK-115	Exh.; 1 groove; Square cut key groove
	16	Keeper	74-73	VK-115R	Exh.; 1 groove; Square cut key groove; Hardened
B L O C K	16	Keeper	74-73	VK-174	Int.; 4 groove
	16	Keeper	74-73	VK-174R	Int.; 4 groove; Hardened
	32	Keeper	72-71	VK-138	Exh. & Int.; 1 groove; Square cut key groove
	32	Keeper	72-71	VK-138R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk	74-73	VK-115B	Exh.; 1 groove; Square cut key groove; Carton of 1000
	32	Keeper, Bulk	72-71	VK-138B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	74-71	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	74-71	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	74-71	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	74-71	259-103A	.060"; ID 1.030"; Carton of 100
B L O C K	16	Spring Insert	74-71	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	74-71	415CP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston - Individual	74-71	W415CP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	8	Powerforged	71	L-2380F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.505" CD, 1.0007" Pin Dia., Recessed Head .170" deep w/4 valve reliefs. DurOshield® skirt coated piston.

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6.6L 401 OHV V8, 4.165" Bore 1976-71 20					
VIN Code "Z" 1971-76 (cont.)					
BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Forged Piston - Individual	71	WL-2380F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.505" CD, 1.0007" Pin Dia., Recessed Head .170" deep w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	74-71	E-302K30 30-40-60	2-5/64, 1-3/16
	1	Standard Set	74-71	E-302X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	74-71	WE-302K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	74-71	WE-302X30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-71	4950M10 10-20-30	
	1	Cam Set	74-71	1401M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	74-71	224-51285	
1	Screen Assy.	74-71	224-14161		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	76-71	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	76-71	260-4008		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	76-71	381-8001		

BLOCK	BLOCK
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Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.)	1974-73	1	2.0L 1986cc SOHC Diesel L5 76.5mm Bore (10 Valve).....	1982-79 8
1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) (VW Eng.)	1983-82	2	2.0L 1986cc SOHC Turbo-Diesel L5 76.5mm Bore (10 Valve).....	1983 9
1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve) (VW Eng.)	1983-82	3	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve).....	1985-78 10
1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.)	1980-75	4	2.1L 2144cc SOHC Turbo L5 79.5mm Bore (10 Valve).....	1985-80 11
1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.)	1983-81	5	2.2L 2226cc SOHC L5 81mm Bore (10 Valve).....	1988-84 12
1.8L 1780cc SOHC L4 81mm Bore (8 Valve) (VW Eng.)	1987-84	6	2.2L 2226cc DOHC Turbo L5 81mm Bore (20 Valve).....	1990 13
2.0L 1984cc SOHC L4 82.5mm Bore (8 Valve) (VW Eng.)	1990-88	7	2.2L 2226cc SOHC Turbo L5 81mm Bore (10 Valve).....	1990-86 14
			2.3L 2309cc SOHC L5 82.5mm Bore (10 Valve).....	1990-88 15
			2.3L 2309cc DOHC L5 82.5mm Bore (20 Valve)	1990-89 16

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
CN	2.0L 1986cc SOHC Diesel L5 76.5mm Bore (10 Valve)	8	WK.....	2.1L 2144cc SOHC Turbo L5 79.5mm Bore (10 Valve)	11
CR	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) (VW Eng.).....	2	WT	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.).....	5
CY.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve) (VW Eng.).....	3	WU.....	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve)	10
DE.....	2.0L 1986cc SOHC Turbo-Diesel L5 76.5mm Bore (10 Valve).....	9	WX.....	2.1L 2144cc SOHC Turbo L5 79.5mm Bore (10 Valve)	11
JK	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) (VW Eng.).....	2	XV.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
JN	1.8L 1780cc SOHC L4 81mm Bore (8 Valve) (VW Eng.).....	6	XW.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
JT.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve)	12	XY.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
KH.....	2.1L 2144cc SOHC Turbo L5 79.5mm Bore (10 Valve)	11	XZ.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
KX.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve)	12	YG	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.).....	4
KZ.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve)	12	YH.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.).....	4
MC	2.2L 2226cc DOHC Turbo L5 81mm Bore (20 Valve)	13	YK.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.).....	4
MC	2.2L 2226cc SOHC Turbo L5 81mm Bore (10 Valve)	14	YM	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) (VW Eng.).....	4
MG.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve) (VW Eng.).....	6	ZD.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
NF.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve)	12	ZE.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve) (VW Eng.).....	1
NF.....	2.3L 2309cc SOHC L5 82.5mm Bore (10 Valve)	15	3A	2.0L 1984cc SOHC L4 82.5mm Bore (8 Valve) (VW Eng.).....	7
NG	2.3L 2309cc SOHC L5 82.5mm Bore (10 Valve)	15	3B	2.2L 2226cc DOHC Turbo L5 81mm Bore (20 Valve)	13
WD.....	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve)	10	7A	2.3L 2309cc DOHC L5 82.5mm Bore (20 Valve)	16
WE.....	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve)	10			

1 1.5L 1471cc SOHC L4 (8 Valve), 76.5mm Bore (VW Eng.) 1974-73 Eng. Codes "XV" 1974, "XW" 1974, "XY" 1974, "XZ" 1974, "ZD" 1973, "ZE" 1973

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	74-73	222-17	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	74-73	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	74-73	ST-2039	Positive type; Rubber
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	74-73	68099YA	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	74-73	6834M Std-.25MM	w/std. length flange brg.
1	Aux. Shaft Set	74-73	1726M	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	74-73	381-8036	

2 1.6L 1588cc SOHC Diesel L4 (8 Valve), 76.5mm Bore (VW Eng.) 1983-82 Eng. Codes "CR" 1982, "JK" 1983

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	83-82	222-43	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	83-82	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	83-82	ST-2039	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	83-82	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	83-82	E-493KC Std-.25-.50MM	1-1.75MM, 1-2.00MM, 1-3.00MM
4	Premium Single Cylinder Set	83-82	WE-493KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	83-82	6834M Std-.25MM	w/std. length flange brg.
1	Rod Set	83-82	4-68150CP Std Only	

(continued on next page)

1.6L 1588cc SOHC Diesel L4 (8 Valve), 76.5mm Bore (VW Eng.) 1983-82 2					
Eng. Codes "CR" 1982, "JK" 1983 (cont.)					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	(cont.) Aux. Shaft Set	83-82	1726M		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	83-82	381-8036		
1.6L 1588cc SOHC Turbo-Diesel L4 (8 Valve), 76.5mm Bore (VW Eng.) 1983-82 3					
Eng. Code "CY" 1982-83					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	83	222-43		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	83	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	83	ST-2039	Positive type; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	83	VK-204	3 groove; w/.3125 Stem Dia.	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83	E-493KC	Std-.25-.50MM
	4	Premium Single Cylinder Set	83	WE-493KC	Std Only
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83	6834M	Std-.25MM
	1	Rod Set	83	4-68150CP	Std Only
	1	Aux. Shaft Set	83	1726M	w/std. length flange brg.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	83-82	381-8036		
1.6L 1588cc SOHC L4 (8 Valve), 79.5mm Bore (VW Eng.) 1980-75 4					
Eng. Codes "YG" 1975-80, "YH" 1975-80, "YK" 1976, "YM" 1975-76					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	80-75	222-17		
1	Timing Belt & Tensioner Set	80-75	BTS-17		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	80-75	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	80-75	ST-2039	Positive type; Rubber	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	80-75	68099YA	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-75	6834M	Std-.25MM
1	Aux. Shaft Set	80-75	1726M	w/std. length flange brg.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	80-75	381-8036		
1.7L 1715cc SOHC L4 (8 Valve), 79.5mm Bore (VW Eng.) 1983-81 5					
Eng. Code "WT" 1981-83					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	83-81	222-17		
1	Timing Belt & Tensioner Set	83-81	BTS-17		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	83-81	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	83-81	ST-2039	Positive type; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	83-82	VK-204	3 groove; w/.3125 Stem Dia.	
16	Keeper	81	VK-204	From Chassis No. 81B-136-916; 3 groove; w/.3125 Stem Dia.	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Pin Bushing	83-81	68099YA		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	83-81	6834M	Std-.25MM	
1	Aux. Shaft Set	83-81	1726M	w/std. length flange brg.	

Audi

6 1.8L 1780cc SOHC L4 (8 Valve), 81mm Bore (VW Eng.) 1987-84

Eng. Codes "JN" 1984, "MG" 1985-87

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Timing Belt	87-84	222-17		
	1	Timing Belt Tensioner	87-84	222-148BT		
B L O C K	1	Timing Belt & Tensioner Set	87-84	BTS-17		B L O C K
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	86-84	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Valve Stem Seal	85-84	ST-2039	Positive type; Rubber	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
B L O C K	16	Keeper	86-84	VK-204	3 groove; w/.3125 Stem Dia.	B L O C K
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Pin Bushing	87-84	4469Y		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	86-84	E-494K Std Only	1-1.50MM, 1-1.75MM, 1-3.00MM	
	1	Premium Set	86-84	E-494KC Std Only	1-1.50MM, 1-1.75MM, 1-3.00MM	
B L O C K	4	Premium Single Cylinder Set	86-84	WE-494KC Std Only	1-1.50MM, 1-1.75MM, 1-3.00MM	B L O C K
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6834M Std-.25MM	w/std. length flange brg.	
B L O C K	1	Rod Set	87-84	4-68150CP Std Only		B L O C K
	1	Aux. Shaft Set	87-84	1726M		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Oil Pump	84	224-41912		B L O C K
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-84	260-1299	Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.	
K I T S	RE-RING KIT					K I T S
	YEARS	DESCRIPTION				
	86-84	Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.	Re-ring		PREMIUM KIT NO. 205-6072 ECONOMY KIT NO. -----	
K I T S	OVERHAUL KIT					K I T S
	YEARS	DESCRIPTION				
	86-84	Timing belt, cam kit, oil pump & freeze plugs not incl.; Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.; w/std. length flange brg.	Master w/o Pistons		PREMIUM KIT NO. MK-6072A ECONOMY KIT NO. -----	

7 2.0L 1984cc SOHC L4 (8 Valve), 82.5mm Bore (VW Eng.) 1990-88

Eng. Code "3A" 1988-90

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Timing Belt	90-88	222-17		
	1	Timing Belt Tensioner	90-88	222-148BT		
B L O C K	1	Timing Belt & Tensioner Set	90-88	BTS-17		B L O C K
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-88	V-4520X Std Only	1.2990" Head Dia., .3127" Stem Dia., 3.5910" O.A.L.	
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Guide	90-88	VG-1420T	Exh. & Int.; .2765" ID, 1.5950" O.A.L.	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
B L O C K	4	Exh.	90-88	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth	B L O C K
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-88	7286M Std-.25MM		
B L O C K	1	Rod Set	90-88	4-4465P Std-.25MM	w/oil hole	B L O C K

8 2.0L 1986cc SOHC Diesel L5 (10 Valve), 76.5mm Bore 1982-79

Eng. Code "CN" 1979-82

B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	B L O C K
	10	Guide	82-79	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
B L O C K	5	Int.	82-79	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth	B L O C K
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	20	Keeper	82-80	VK-204	3 groove; w/.3125 Stem Dia.	
B L O C K	20	Keeper	79	VK-204	From Chassis No. 43B-036-373; 3 groove; w/.3125 Stem Dia.	B L O C K

2.0L 1986cc SOHC Turbo-Diesel L5 (10 Valve), 76.5mm Bore 1983 Eng. Code "DE" 1982-85					9
QTY 10	VALVE GUIDE Guide	YEARS 83	PART NO. VG-705	DESCRIPTION Bronze; .3150" ID, 1.4400" O.A.L.	
QTY 10	VALVE SEAL Valve Stem Seal	YEARS 83	PART NO. ST-2039	DESCRIPTION Positive type; Rubber	
QTY 5	VALVE SEAT Int.	YEARS 83	PART NO. 245-1500-62 Std Only	DESCRIPTION 1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth	
QTY 20	VALVE, MISC Keeper	YEARS 83	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.	
2.1L 2144cc SOHC L5 (10 Valve), 79.5mm Bore 1985-78 Eng. Codes "WD" 1978-83, "WE" 1978-85, "WU" 1984-85					10
QTY 1	TIMING Timing Belt	YEARS 85	PART NO. 222-B127	DESCRIPTION	
1	Timing Belt	84	222-B127	From Ser. No. 44D-200-001	
1	Timing Belt	83	222-B127		
QTY 10	VALVE GUIDE Guide	YEARS 85-78	PART NO. VG-705	DESCRIPTION Bronze; .3150" ID, 1.4400" O.A.L.	
QTY 10	VALVE SEAL Valve Stem Seal	YEARS 85-78	PART NO. ST-2039	DESCRIPTION Positive type; Rubber	
QTY 20	VALVE, MISC Keeper	YEARS 85-84	PART NO. VK-205	DESCRIPTION 4 groove	
20	Keeper	85-84	VK-205R	4 groove; Hardened	
20	Keeper	83-82	VK-204	3 groove; w/.3125 Stem Dia.	
20	Keeper	81	VK-204	From Chassis No. 43B-036-373; 3 groove; w/.3125 Stem Dia.	
QTY 1	RINGS Premium Set	YEARS 85-78	PART NO. E-806KC Std Only	DESCRIPTION 1-1.75MM, 1-2.00MM, 1-4.00MM	
QTY 1	ENGINE BEARINGS Rod Set	YEARS 83-78	PART NO. 5-68095CP Std Only	DESCRIPTION	
5	Rod Pair	85-84	68150CP Std Only		
2.1L 2144cc SOHC Turbo L5 (10 Valve), 79.5mm Bore 1985-80 Eng. Codes "KH" 1980-85, "WK" 1980-83, "WX" 1983-85					11
QTY 1	TIMING Timing Belt	YEARS 85-82	PART NO. 222-B127	DESCRIPTION 5000	
QTY 10	VALVE GUIDE Guide	YEARS 85	PART NO. VG-705	DESCRIPTION To Chassis No. 43A-220-0000; Bronze; .3150" ID, 1.4400" O.A.L.	
10	Guide	84-80	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
QTY 10	VALVE SEAL Valve Stem Seal	YEARS 85-80	PART NO. ST-2039	DESCRIPTION Positive type; Rubber	
QTY 20	VALVE, MISC Keeper	YEARS 85-82	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.	
20	Keeper	81	VK-204	3 groove; w/.3125 Stem Dia.	
20	Keeper	80	VK-204	From Eng. No. 007-924; 3 groove; w/.3125 Stem Dia.	
QTY 1	RINGS Premium Set	YEARS 85-80	PART NO. E-806KC Std Only	DESCRIPTION 1-1.75MM, 1-2.00MM, 1-4.00MM	
QTY 1	ENGINE BEARINGS Rod Set	YEARS 83-80	PART NO. 5-68095CP Std Only	DESCRIPTION	
5	Rod Pair	85-84	68150CP Std Only		
2.2L 2226cc SOHC L5 (10 Valve), 81mm Bore 1988-84 Eng. Codes "JT" 1984-87, "KX" 1984-87, "KZ" 1985-88, "NF" 1987					12
QTY 1	TIMING Timing Belt	YEARS 88-84	PART NO. 222-B127	DESCRIPTION	
QTY 5	VALVE SEAT Exh.	YEARS 87-84	PART NO. 245-1375-55 Std Only	DESCRIPTION 1.3820" OD, 1.1200" ID, .3250" Depth	
QTY 20	VALVE, MISC Keeper	YEARS 87-85	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.	
QTY 5	ENGINE BEARINGS Rod Pair	YEARS 87-84	PART NO. 68150CP Std Only	DESCRIPTION	

Audi

13 2.2L 2226cc DOHC Turbo L5 (20 Valve), 81mm Bore 1990 Eng. Codes "AAN" 1992-97, "MC" 1995-97, "3B" 1990-94

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B127	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
5	Rod Pair	90	68150CP Std Only	

14 2.2L 2226cc SOHC Turbo L5 (10 Valve), 81mm Bore 1990-86 Eng. Code "MC" 1986-91

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B127	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
5	Exh.	86	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
5	Rod Pair	90-86	68150CP Std Only	

15 2.3L 2309cc SOHC L5 (10 Valve), 82.5mm Bore 1990-88 Eng. Codes "NF" 1987-91, "NG" 1987-92

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-88	222-B170	
1	Timing Belt	90-88	222-B127	5000S Quattro
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
5	Exhaust	90-88	V-4520X Std Only	1.2990" Head Dia., .3127" Stem Dia., 3.5910" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
5	Int.	88	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
20	Keeper	88	VK-204	3 groove; w/.3125 Stem Dia.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
5	Rod Pair	90-88	68150CP Std Only	

16 2.3L 2309cc DOHC L5 (20 Valve), 82.5mm Bore 1990-89 Eng. Code "7A" 1989-92

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
5	Rod Pair	90-89	68150CP Std Only	

BMW

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.5L 1499cc SOHC L4 82mm Bore (8 Valve).....	1965-62	1	2.7L 2693cc SOHC L6 84mm Bore (12 Valve).....	1988-82	7
1.6L 1573cc SOHC L4 84mm Bore (8 Valve).....	1971-66	2	2.8L 2788cc SOHC L6 86mm Bore (12 Valve).....	1981-79	8
1.8L 1766cc SOHC L4 89mm Bore (8 Valve).....	1985-80	3	3.0L 2985cc SOHC L6 89mm Bore (12 Valve).....	1976-75	9
1.8L 1773cc SOHC L4 84mm Bore (8 Valve).....	1967-64	4	3.2L 3210cc SOHC L6 89mm Bore (12 Valve).....	1984-78	10
2.0L 1990cc SOHC L4 89mm Bore (8 Valve).....	1979-66	5	5.0L 4988cc SOHC V12 84mm Bore (24 Valve).....	1990-88	11
2.5L 2494cc SOHC L6 84mm Bore (12 Valve).....	1990-87	6			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
M10B18	1.8L 1766cc SOHC L4 89mm Bore (8 Valve)	3	M30B32	3.2L 3210cc SOHC L6 89mm Bore (12 Valve)	10
M10B20	2.0L 1990cc SOHC L4 89mm Bore (8 Valve)	5	M70B50	5.0L 4988cc SOHC V12 84mm Bore (24 Valve)	11
M20B25	2.5L 2494cc SOHC L6 84mm Bore (12 Valve)	6	114	1.6L 1573cc SOHC L4 84mm Bore (8 Valve)	2
M20B27	2.7L 2693cc SOHC L6 84mm Bore (12 Valve)	7	118	1.8L 1773cc SOHC L4 84mm Bore (8 Valve)	4
M30B28	2.8L 2788cc SOHC L6 86mm Bore (12 Valve)	8	121	2.0L 1990cc SOHC L4 89mm Bore (8 Valve)	5
M30B30	3.0L 2985cc SOHC L6 89mm Bore (12 Valve)	9	128	2.8L 2788cc SOHC L6 86mm Bore (12 Valve)	8

1 1.5L 1499cc SOHC L4 (8 Valve), 82mm Bore 1965-62 Eng. Code "115" 1961-65

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	65-62	4-65545CP Std-.25MM	

1.6L 1573cc SOHC L4 (8 Valve), 84mm Bore 1971-66 2				
Eng. Codes "M10B16" 1964-71, "114" 1964-71, "116" 1964-71				
QTY 1	PISTON Pin Bushing Set	YEARS 71-66	PART NO. 4-1384Y20	DESCRIPTION
QTY 1	ENGINE BEARINGS Rod Set	YEARS 71-66	PART NO. 4-65545CP Std-.25MM	DESCRIPTION
1.8L 1766cc SOHC L4 (8 Valve), 89mm Bore 1985-80 3				
Eng. Code "M10B18" 1968-71 & 1980-85				
QTY 1	TIMING Cam Sprocket	YEARS 84-80	PART NO. 223-2901	DESCRIPTION 36 Teeth
QTY 16	VALVE, MISC Keeper	YEARS 85-80	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.
B L O C K	QTY 1	PISTON Pin Bushing Set	YEARS 85-80	PART NO. 4-1384Y20
	QTY 2	RINGS Premium Set	YEARS 85-80	PART NO. E-585KC Std-.50MM
	QTY 4	RINGS Premium Single Cylinder Set	YEARS 85-80	PART NO. WE-585KC Std Only
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 85-80	PART NO. 4-65545CP Std-.25MM
1.8L 1773cc SOHC L4 (8 Valve), 84mm Bore 1967-64 4				
Eng. Codes "M10B18" 1964-67, "118" 1964-67				
QTY 1	PISTON Pin Bushing Set	YEARS 67-64	PART NO. 4-1384Y20	DESCRIPTION
QTY 1	ENGINE BEARINGS Rod Set	YEARS 67-64	PART NO. 4-65545CP Std-.25MM	DESCRIPTION
2.0L 1990cc SOHC L4 (8 Valve), 89mm Bore 1979-66 5				
Eng. Codes "M10B20" 1977-79, "121" 1966-76				
QTY 1	TIMING Cam Sprocket	YEARS 79	PART NO. 223-2901	DESCRIPTION From 11/78; 36 Teeth
QTY 1	TIMING Cam Sprocket	YEARS 78	PART NO. 223-2901	DESCRIPTION 36 Teeth
QTY 16	VALVE, MISC Keeper	YEARS 79-66	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.
B L O C K	QTY 1	PISTON Pin Bushing Set	YEARS 79-66	PART NO. 4-1384Y20
	QTY 2	RINGS Premium Set	YEARS 79-66	PART NO. E-585KC Std-.50MM
	QTY 4	RINGS Premium Single Cylinder Set	YEARS 79-66	PART NO. WE-585KC Std Only
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 79-66	PART NO. 4-65545CP Std-.25MM
2.5L 2494cc SOHC L6 (12 Valve), 84mm Bore 1990-87 6				
Eng. Code "M20B25" 1987-93				
QTY 1	TIMING Timing Belt	YEARS 90-87	PART NO. 222-131	DESCRIPTION 525i; 127 teeth
QTY 6	VALVE Exhaust	YEARS 90-87	PART NO. V-4661 Std Only	DESCRIPTION Chrome plated stem; 1.4150" Head Dia., .2745" Stem Dia., 4.0350" O.A.L.
QTY 6	VALVE Intake	YEARS 90-87	PART NO. V-4662 Std Only	DESCRIPTION Chrome plated stem; 1.6510" Head Dia., .2743" Stem Dia., 4.0350" O.A.L.
QTY 6	VALVE SEAT Exh.	YEARS 90-87	PART NO. 245-1500-62 Std Only	DESCRIPTION 1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
QTY 6	VALVE SEAT Int.	YEARS 90-87	PART NO. 245-1750-60 Std Only	DESCRIPTION 1.555" ID top taper; 1.7570" OD, 1.4370" ID, .3020" Depth
QTY 1	ENGINE BEARINGS Main Set	YEARS 90-87	PART NO. 7027M Std Only	DESCRIPTION Lower halves w/single tang
QTY 1	ENGINE BEARINGS Rod Set	YEARS 90-87	PART NO. 6-1390CP Std Only	DESCRIPTION
2.7L 2693cc SOHC L6 (12 Valve), 84mm Bore 1988-82 7				
Eng. Code "M20B27" 1982-88				
QTY 1	TIMING Timing Belt	YEARS 87	PART NO. 222-131	DESCRIPTION To 2/87; 127 teeth
QTY 1	TIMING Timing Belt	YEARS 86-82	PART NO. 222-131	DESCRIPTION 127 teeth
QTY 12	VALVE GUIDE Guide	YEARS 85-82	PART NO. VG-7638	DESCRIPTION .008" O/S OD; .2760" ID, 1.7710" O.A.L.

(continued on next page)

BMW

7 2.7L 2693cc SOHC L6 (12 Valve), 84mm Bore 1988-82 (cont.) Eng. Code "M20B27" 1982-88				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	88-86	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
6	Int.	88-86	245-1750-60 Std Only	1.555" ID top taper; 1.7570" OD, 1.4370" ID, .3020" Depth
6	Int.	85-82	245-1687-57 Std Only	1.687" OD
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	88-82	E-602KC.50MM .50MM	1-1.50MM, 1-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	88-82	7027M Std Only	Lower halves w/single tang
1	Rod Set	88-82	6-1390CP Std Only	
8 2.8L 2788cc SOHC L6 (12 Valve), 86mm Bore 1981-79 Eng. Codes "M30B28" 1979-81, "128" 1979-81				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	81-79	VK-204	3 groove; w/.3125 Stem Dia.
9 3.0L 2985cc SOHC L6 (12 Valve), 89mm Bore 1976-75 Eng. Code "M30B30" 1975-78				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	76-75	VK-204	3 groove; w/.3125 Stem Dia.
10 3.2L 3210cc SOHC L6 (12 Valve), 89mm Bore 1984-78 Eng. Code "M30B32" 1978-84				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	84-78	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
3	Premium Set	84-78	E-585KC Std-.50MM	1-1.75MM, 1-2.00MM, 1-4.00MM (2 cyl. set)
6	Premium Single Cylinder Set	84-78	WE-585KC Std Only	1-1.75MM, 1-2.00MM, 1-4.00MM (1 cyl. set)
11 5.0L 4988cc SOHC V12 (24 Valve), 84mm Bore 1990-88 Eng. Code "M70B50" 1988-94				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
12		90-88	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
12		90-88	245-1750-60 Std Only	1.555" ID top taper; 1.7570" OD, 1.4370" ID, .3020" Depth
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7311M Std Only	

British Leyland

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
.8L 848cc OHV L4 63mm Bore (8 Valve)	1967-60	 1	1.1L 1098cc OHV L4 64.6mm Bore (8 Valve)	1967-62	 6
.9L 948cc OHV L4 62.9mm Bore (8 Valve)	1962-59	 2	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	1972-67	 7
1.0L 997cc OHV L4 62.4mm Bore (8 Valve)	1964-62	 3	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	1979-75	 8
1.0L 998cc OHV L4 64.6mm Bore (8 Valve)	1964	 4	1.6L 1622cc OHV L4 76.2mm Bore (8 Valve)	1963-61	 9
1.1L 1071cc OHV L4 70.6mm Bore (8 Valve)	1964	 5	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	1980-65	 10

Engine Code Index							
Engine Code		Engine Description	Line No.	Engine Code		Engine Description	Line No.
ADM.....	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	8	18GA	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
ADS	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	8	18GB	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
FP300.....	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	8	18GF.....	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
10CC	1.1L 1098cc OHV L4 64.6mm Bore (8 Valve)	6	18GH	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
10CG	1.1L 1098cc OHV L4 64.6mm Bore (8 Valve)	6	18GJ.....	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
10GR	1.1L 1098cc OHV L4 64.6mm Bore (8 Valve)	6	18GK	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
12CC	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	18V	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10		
12CD	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	8AM	.8L 848cc OHV L4 63mm Bore (8 Valve)	1		
12CE.....	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	8MB	.8L 848cc OHV L4 63mm Bore (8 Valve)	1		
12CJ	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	85H	.8L 848cc OHV L4 63mm Bore (8 Valve)	1		
12G.....	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	9AG	1.0L 998cc OHV L4 64.6mm Bore (8 Valve)	4		
12H.....	1.3L 1275cc OHV L4 70.6mm Bore (8 Valve)	7	9C	.9L 948cc OHV L4 62.9mm Bore (8 Valve) .	2		
18G.....	1.8L 1798cc OHV L4 80.26mm Bore (8 Valve)	10	9CG	.9L 948cc OHV L4 62.9mm Bore (8 Valve) .	2		
			99H.....	1.0L 998cc OHV L4 64.6mm Bore (8 Valve)	4		

.8L 848cc OHV L4 (8 Valve), 63mm Bore 1967-60 Eng. Codes "8AM" 1959-74, "8MB" 1959-67, "85H" 1959-67					1
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	67-60	4-2965CP	Std-10-20-30-40	
.9L 948cc OHV L4 (8 Valve), 62.9mm Bore 1962-59 Eng. Codes "9C" 1956-62, "9CG" 1956-62					2
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	62-59	4-2965CP	Std-10-20-30-40	
1.0L 997cc OHV L4 (8 Valve), 62.4mm Bore 1964-62					3
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	64-62	4-2965CP	Std-10-20-30-40	
1.0L 998cc OHV L4 (8 Valve), 64.6mm Bore 1964 Eng. Codes "9AG" 1961-74, "99H" 1961-74					4
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	64	4-2965CP	Std-10-20-30-40	
1.1L 1071cc OHV L4 (8 Valve), 70.6mm Bore 1964					5
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	64	4-2965CP	Std-10-20-30-40	
1.1L 1098cc OHV L4 (8 Valve), 64.6mm Bore 1967-62 Eng. Codes "10CC" 1962-67, "10CG" 1963-64, "10GR" 1962-74					6
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	67-62	4-2965CP	Std-10-20-30-40	
1.3L 1275cc OHV L4 (8 Valve), 70.6mm Bore 1972-67 Eng. Codes "12CC" 1966-67, "12CD" 1968-70, "12CE" 1966-67, "12CJ" 1971-77, "12G" 1965-72, "12H" 1964-72					7
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	72-67	4-2965CP	Std-10-20-30-40 Eng. Code "12G"	
1.5L 1493cc OHV L4 (8 Valve), 73.7mm Bore 1979-75 Eng. Codes "ADM" 1975-79, "ADS" 1975-79, "FP300" 1975-79					8
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	79-75	65931AF	Std Only Position 3	

British Leyland

9 1.6L 1622cc OHV L4 (8 Valve), 76.2mm Bore 1963-61					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	63-61	2056BF Std Only	Position 2	
10 1.8L 1798cc OHV L4 (8 Valve), 80.26mm Bore 1980-65 Eng. Codes "18G" 1961-64, "18GA" 1961-64, "18GB" 1965-67, "18GF" 1968-69, "18GH" 1970, "18GJ" 1970, "18GK" 1971, "18V" 1972-81					
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
4	Guide	80-70	VG-772	Exh.; .3440" ID, 2.2200" O.A.L.	
4	Guide	80-70	VG-773	Int.; .3440" ID, 1.8700" O.A.L.	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	80-65	65077BF Std Only	Position 3	

Buick - See GM Car

Cadillac - See GM Car

Checker - See Engine Manufacturer

Chevrolet - See GM Car

Chevrolet Minivans - See GMC Truck

Chevrolet SUV's - See GMC Truck

Chevrolet Truck - See GMC Truck

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.4L 86 (1410cc) SOHC L4 74mm Bore (8 Valve) (Mitsubishi Eng.)	1984-79	1	2.8L 170 OHV L6 3.4063" Bore	1971-60	22
1.5L 89.5 (1468cc) SOHC L4 75.5mm Bore (8 Valve) (Mitsubishi Eng.)	1990-85	2	3.0L 181.1 (2972cc) SOHC V6 91.1mm Bore (12 Valve) (Mitsubishi Eng.)	1990-88	23
1.6L 97.1 (1592cc) OHV L4 80.6mm Bore (8 Valve) (Peugeot Eng.)	1986-83	3	3.2L 198 OHV L6 3.4063" Bore	1974-70	24
1.6L 97.3 (1595cc) DOHC L4 82.3mm Bore (16 Valve) (Mitsubishi Eng.)	1990-89	4	3.3L 201 (3302cc) OHV V6 93mm Bore (12 Valve)	1990	25
1.6L 97.3 (1595cc) DOHC Turbo L4 82.3mm Bore (16 Valve) (Mitsubishi Eng.)	1990-89	5	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth)	1953-46	26
1.6L 97.5 (1597cc) SOHC L4 76.9mm Bore (8 Valve) (Mitsubishi Eng.)	1984-71	6	3.7L 225 OHV L6 3.4063" Bore	1983-60	27
1.6L 97.5 (1597cc) SOHC Turbo L4 76.9mm Bore (8 Valve) (Mitsubishi Eng.)	1988-84	7	3.8L 230 L-HEAD L6 3.25" Bore (Dodge)	1959-46	28
1.7L 105 (1715cc) SOHC L4 79.5mm Bore (8 Valve) (VW Eng.)	1983-78	8	3.9L 236.6 L-HEAD L6 3.4375" Bore (DeSoto)	1950-46	29
1.8L 107.1 (1755cc) SOHC L4 80.6mm Bore (8 Valve) (Mitsubishi Eng.)	1990-89	9	4.0L 241.4 OHV V8 3.4375" Bore (Dodge)	1955-53	30
2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.)	1979-74	10	4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler)	1954-46	31
2.0L 122 (1997cc) SOHC L4 85mm Bore (8 Valve) (Mitsubishi Eng.)	1990-84	11	4.3L 260 OHV V8 3.5625" Bore (Plymouth)	1955	32
2.0L 122 (1997cc) DOHC L4 85mm Bore (16 Valve) (Mitsubishi Eng.)	1990-89	12	4.3L 265 L-HEAD L6 3.4375" Bore (Chrysler)	1954-52	33
2.0L 122 (1997cc) DOHC Turbo L4 85mm Bore (16 Valve) (Mitsubishi Eng.)	1990	13	4.4L 270 OHV V8 3.625" Bore (Dodge/Plymouth)	1956-55	34
2.2L 135 (2212cc) SOHC L4 87.5mm Bore (8 Valve)	1990-81	14	4.5L 273 OHV V8 3.625" Bore	1969-64	35
2.2L 135 (2212cc) SOHC Turbo L4 87.5mm Bore (8 Valve)	1990-84	15	4.5L 276 OHV V8 3.625" Bore (DeSoto)	1954-52	36
2.2L 135 (2212cc) DOHC Turbo L4 87.5mm Bore (16 Valve)	1990-89	16	4.5L 277 OHV V8 3.75" Bore (Plymouth)	1957-52	37
2.5L 150 OHV L4 3.875" Bore (AMC) (AMC Eng.)	1989-88	17	4.9L 301 OHV V8 3.625" Bore (Chrysler)	1955	38
2.5L 153 (2507cc) SOHC L4 87.5mm Bore (8 Valve)	1990-86	18	4.9L 301 OHV V8 3.625" Bore (Chrysler)	1955	39
2.5L 153 (2507cc) SOHC Turbo L4 87.5mm Bore (8 Valve)	1990-89	19	5.0L 303 OHV V8 3.8125" Bore (Plymouth)	1958-56	40
2.6L 156 (2555cc) SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.)	1985-78	20	5.1L 313 OHV V8 3.875" Bore (Plymouth)	1966-57	41
2.6L 156 (2555cc) SOHC Turbo L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.)	1989-84	21	5.2L 315 OHV V8 3.625" Bore (Dodge)	1956	42
			5.2L 318 OHV V8 3.9063" Bore	1989-57	43
			5.3L 325 OHV V8 3.6875" Bore (Dodge)	1958-57	44
			5.3L 326 OHV V8 3.9531" Bore (Dodge)	1959	45
			5.4L 331 OHV V8 3.8125" Bore (Chrysler)	1956-51	46
			5.6L 340 OHV V8 4.04" Bore	1973-68	47
			5.6L 341 OHV V8 3.7813" Bore (DeSoto)	1957	48
			5.7L 350 OHV V8 4.0625" Bore	1958	49
			5.8L 354 OHV V8 3.9375" Bore (Chrysler)	1959-56	50
			5.9L 360 OHV V8 4" Bore	1980-71	51
			5.9L 361 OHV V8 4.125" Bore	1966-58	52
			6.3L 383 OHV V8 4.25" Bore	1971-59	53
			6.4L 392 OHV V8 4" Bore (Chrysler)	1958-57	54
			6.6L 400 OHV V8 4.342" Bore	1978-72	55
			6.7L 413 OHV V8 4.1875" Bore	1965-59	56
			7.0L 426 OHV V8 4.25" Bore	1971-63	57
			7.2L 440 OHV V8 4.32" Bore	1978-66	58

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
E82	1.6L 97.1 (1592cc) OHV L4 80.6mm Bore (8 Valve) (Peugeot Eng.).....	3	4G32.....	1.6L 97.5 (1597cc) SOHC L4 76.9mm Bore (8 Valve) (Mitsubishi Eng.).....	6
G12B	1.4L 86 (1410cc) SOHC L4 74mm Bore (8 Valve) (Mitsubishi Eng.).....	1	4G37.....	1.8L 107.1 (1755cc) SOHC L4 80.6mm Bore (8 Valve) (Mitsubishi Eng.).....	9
G15B	1.5L 89.5 (1468cc) SOHC L4 75.5mm Bore (8 Valve) (Mitsubishi Eng.).....	2	4G52.....	2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.).....	10
G32B	1.6L 97.5 (1597cc) SOHC L4 76.9mm Bore (8 Valve) (Mitsubishi Eng.).....	6	4G61.....	1.6L 97.3 (1595cc) DOHC L4 82.3mm Bore (16 Valve) (Mitsubishi Eng.).....	4
G32B-T.....	1.6L 97.5 (1597cc) SOHC Turbo L4 76.9mm Bore (8 Valve) (Mitsubishi Eng.).....	7	4G61-T	1.6L 97.3 (1595cc) DOHC Turbo L4 82.3mm Bore (16 Valve) (Mitsubishi Eng.)..	5
G52B	2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.).....	10	4G63.....	2.0L 122 (1997cc) SOHC L4 85mm Bore (8 Valve) (Mitsubishi Eng.).....	11
G54B	2.6L 156 (2555cc) SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.).....	20	4G63.....	2.0L 122 (1997cc) DOHC L4 85mm Bore (16 Valve) (Mitsubishi Eng.).....	12
G54B-T.....	2.6L 156 (2555cc) SOHC Turbo L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.).....	21	4G63-T	2.0L 122 (1997cc) DOHC Turbo L4 85mm Bore (16 Valve) (Mitsubishi Eng.).....	13
G63B	2.0L 122 (1997cc) SOHC L4 85mm Bore (8 Valve) (Mitsubishi Eng.).....	11	6G72.....	3.0L 181.1 (2972cc) SOHC V6 91.1mm Bore (12 Valve) (Mitsubishi Eng.).....	23
4G15.....	1.5L 89.5 (1468cc) SOHC L4 75.5mm Bore (8 Valve) (Mitsubishi Eng.)	2			

1.4L 86 (1410cc) SOHC L4 (8 Valve), 74mm Bore (Mitsubishi Eng.) 1984-79					1
VIN Codes "A" 1984, "J" 1979-80, "2" 1981-83, Eng. Code "G12B" 1979-84					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	84-79	222-73	
	1	Timing Belt Tensioner	84-79	222-33BT	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	84-79	RS-638	Exh.
	1	Rocker Shaft	84-79	RS-639	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	84-79	V-2253 Std Only	Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
	4	Intake	84-79	V-2254 Std Only	Nitrided stem; 1.3400" Head Dia., .2580" Stem Dia., 4.0200" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
B L O C K	4	Guide	84-79	VG-721	Exh.; .2610" ID, 1.9500" O.A.L.
	4	Guide	84-79	VG-722	Int.; .2610" ID, 1.7300" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	84-79	ST-2056	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	84-79	245-1312-53 Std Only	1.3195" OD, .9800" ID, .2930" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	84-79	VK-230	
	8	Spring Insert	84-79	259-821B	.060"; Case hardened; Carton of 48
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
B L O C K	4	Cast Piston	80-79	12206P Std-.50-.75MM	VIN Code "J"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 29.0mm CD, 18.0mm Pin Dia., Recessed Head 1.50mm deep x 66.00mm dia. - 8.8:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-79	E-370KC.50MM .50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	84-79	E-370X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	84-79	WE-370KC Std Only	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	84-79	WE-370X Std-.50MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-79	6630M Std-.25-.50MM	
	1	Rod Set	84-79	4-3955RA Std-.25-.50-.75MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	84-79	260-1194	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	RE-RING KIT				
	YEARS	DESCRIPTION			
	84-79	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	PREMIUM KIT NO.	ECONOMY KIT NO.
			Re-ring w/Mains	205-861	205-361
				205-861M	205-361M

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2 1.5L 89.5 (1468cc) SOHC L4 (8 Valve), 75.5mm Bore (Mitsubishi Eng.) 1990-85
 VIN Codes "K" 1985-90, "P" 1987-88, "Q" 1985-91, "X" 1988-90, Eng. Codes "4G15" 1987-90, "G15B" 1985-91

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-87	222-128	
	1	Timing Belt	86-85	222-73	
	1	Timing Belt Tensioner	90-85	222-33BT	
	1	Timing Belt & Tensioner Set	90-87	BTS-128	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Prelube	90-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm	90-87	R-1123	Exh. & Int. 1-3
	6	Arm	90-87	R-1124	Exh. & Int. 2-4
B L O C K	1	Rocker Shaft	90-85	RS-638	Exh.
	1	Rocker Shaft	90-85	RS-639	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-85	V-2253 Std Only	Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
	4	Intake	90-89	V-4067 Std Only	Chrome plated stem; 1.3790" Head Dia., .2600" Stem Dia., 4.0040" O.A.L.
	4	Intake	88-85	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	4	Intake	88-85	V-2254 Std Only	Nitrided stem; 1.3400" Head Dia., .2580" Stem Dia., 4.0200" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-85	VG-721	Exh.; .2610" ID, 1.9500" O.A.L.
	4	Guide	90-85	VG-722	Int.; .2610" ID, 1.7300" O.A.L.
K I T S	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-85	VS-1512	Exh. & Int.; 1.7990" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-85	ST-2056	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-85	245-1312-53 Std Only	1.3195" OD, .9800" ID, .2930" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-85	VK-230	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-87	12738P.50MM .50-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep
K I T S	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-85	E-516KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-85	E-516X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-85	WE-516KC Std-.50MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	90-85	WE-516X Std-.50-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-85	6630M Std-.25-.50MM	
	1	Rod Set	90-89	4-4475RA Std-.25-.50MM	
	1	Rod Set	88	4-4475RA Std-.25-.50MM	From 9/88
	1	Rod Set	88	4-3955RA Std-.25-.50-.75MM	To 8/88
K I T S	1	Rod Set	87-85	4-3955RA Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Screen Assy.	90	224-14281	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1701	VIN Code "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-85	260-1194	VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88-87	260-1701	VIN Codes "P" & "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90	381-8095	
	1	Brass Block Plug Kit	89-88	381-8095	
K I T S	1	Brass Block Plug Kit	87-85	381-8095	
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	VIN Code "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6324 205-6324M	205-1324 205-1324M
	90-89	VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring Re-ring w/Mains	205-6325 205-6325M	205-1325 205-1325M

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

1.5L 89.5 (1468cc) SOHC L4 (8 Valve), 75.5mm Bore (Mitsubishi Eng.) 1990-85 2					
VIN Codes "K" 1985-90, "P" 1987-88, "Q" 1985-91, "X" 1988-90, Eng. Codes "4G15" 1987-90, "G15B" (cont.) 1985-91					
K I T S	RE-RING KIT (cont.)			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	88	To 8/88; VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6095 205-6095M	205-1095 205-1095M
	88	To 8/88; VIN Codes "P" & "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6323 205-6323M	205-1323 205-1323M
	88	From 9/88; VIN Codes "P" & "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6324 205-6324M	205-1324 205-1324M
	88	From 9/88; VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring Re-ring w/Mains	205-6325 205-6325M	205-1325 205-1325M
	87	VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6095 205-6095M	205-1095 205-1095M
	87	VIN Codes "P" & "X"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6323 205-6323M	205-1323 205-1323M
86-85	VIN Codes "K" & "Q"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6095 205-6095M	205-1095 205-1095M	
1.6L 97.1 (1592cc) OHV L4 (8 Valve), 80.6mm Bore (Peugeot Eng.) 1986-83 3					
VIN Code "A" 1983-86, Eng. Code "E82" 1983-86					
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	86-83	245-1375-51 Std Only	1.3820" OD, 1.0600" ID, .2800" Depth	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	86-83	381-8036		
1.6L 97.3 (1595cc) DOHC L4 (16 Valve), 82.3mm Bore (Mitsubishi Eng.) 1990-89 4					
VIN Code "Y" 1989-90, Eng. Code "4G61" 1989-90					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90-89	222-B165		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
16	Lifter	90	HT-2274 Std Only	Hyd. lash adj.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	90	V-2653 Std Only	Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
8	Exhaust, Bulk	90	V-2653B Std Only	Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
8	Intake	90	V-2652 Std Only	Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
8	Intake, Bulk	90	V-2652B Std Only	Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	90	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.	
8	Guide	90	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	90	VS-1535	1.8000" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	90	ST-2056	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	90	245-1312-64 Std Only	1.3190" OD, 1.0450" ID, .3165" Depth	
8	Int.	90	245-1437-68 Std Only	1.4445" OD, 1.1350" ID, .3165" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	90	VK-230		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90	E-742KC Std Only	1-1.20MM, 1-1.50MM, 1-3.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90	5103M Std-.25-.50-.75MM		
1	Rod Set	90	4-3485CP Std-.25-.50-.75MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-89	260-1704	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

4 1.6L 97.3 (1595cc) DOHC L4 (16 Valve), 82.3mm Bore (Mitsubishi Eng.) 1990-89 (cont.) VIN Code "Y" 1989-90, Eng. Code "4G61" 1989-90				
	RE-RING KIT YEARS DESCRIPTION 90 Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		PREMIUM KIT NO. 205-6704 205-6704M	ECONOMY KIT NO. ----- -----
5 1.6L 97.3 (1595cc) DOHC Turbo L4 (16 Valve), 82.3mm Bore (Mitsubishi Eng.) 1990-89 VIN Code "Z" 1989-90, Eng. Code "4G61-T" 1989-90				
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	90-89	HT-2274 Std Only	Hyd. lash adj.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90-89	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.
4	Guide	90-89	VG-904	Int.; .008" O/S; .4840" OD; .2580" ID, 1.8000" O.A.L.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-89	5103M Std-.25-.50-.75MM	
1	Rod Set	90-89	4-3485CP Std-.25-.50-.75MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90-89	260-1704	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
6 1.6L 97.5 (1597cc) SOHC L4 (8 Valve), 76.9mm Bore (Mitsubishi Eng.) 1984-71 VIN Codes "B" 1984, "K" 1971-80, "Z" 1977-80, "3" 1981-83, Eng. Codes "G32B" 1976-84, "4G32" 1971-77				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	80-78	222-13	VIN Code "Z"
1	Timing Belt	77	222-13	
1	Bal. Shaft Belt Tensioner	80-77	222-38BT	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
8	Lifter	84-71	HT-6000 Std Only	Hyd. lash adj.
8	Lifter, Bulk	84-71	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Intake	84-81	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	84-71	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.
4	Guide	84-71	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.
4	Guide	84-71	VG-710	Int.; .3155" ID, 1.7280" O.A.L.
4	Guide, Bulk	84-71	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	84	ST-2083	Exh.; To 8/84; Positive type; Rubber
8	Valve Stem Seal	84	ST-2037	Exh. & Int.; From 9/84; Positive type; Rubber
4	Valve Stem Seal	84	ST-2037	Int.; To 8/84; Positive type; Rubber
8	Valve Stem Seal	83-71	ST-2037	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	84-71	245-1375-51 Std Only	1.3820" OD, 1.0600" ID, .2800" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	84	VK-232	
8	Spring Insert	84-71	259-821B	.060"; Case hardened; Carton of 48
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	84	E-387KC Std-.50-.75-1.00MM	w/A/T; 2-2.00MM, 1-4.00MM
1	Premium Set	84	E-486KC Std Only	w/M/T; 2-1.50MM, 1-4.00MM
1	Premium Set	83-71	E-387KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
1	Standard Set	84	E-387X Std Only	w/A/T; 2-2.00MM, 1-4.00MM
1	Standard Set	84	E-486X Std Only	w/M/T; 2-1.50MM, 1-4.00MM
1	Standard Set	83-71	E-387X Std Only	2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	84	WE-387KC Std-.50MM	w/A/T; 2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	84	WE-486KC Std Only	w/M/T; 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	83-71	WE-387KC Std-.50MM	2-2.00MM, 1-4.00MM
4	Standard Single Cylinder Set	84	WE-387X Std-1.00MM	w/A/T; 2-2.00MM, 1-4.00MM
4	Standard Single Cylinder Set	83-71	WE-387X Std-1.00MM	2-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-71	5103M Std-.25-.50-.75MM	
1	Rod Set	84-71	4-3485CP Std-.25-.50-.75MM	
1	Cam Set	84-78	1858M Std Only	
1	Aux. Shaft Set	84-71	1806M	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

1.6L 97.5 (1597cc) SOHC L4 (8 Valve), 76.9mm Bore (Mitsubishi Eng.) 1984-71 6				
VIN Codes "B" 1984, "K" 1971-80, "Z" 1977-80, "3" 1981-83, Eng. Codes "G32B" 1976-84, "4G32" 1971-77 (cont.)				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	84-71	381-8023	
1.6L 97.5 (1597cc) SOHC Turbo L4 (8 Valve), 76.9mm Bore (Mitsubishi Eng.) 1988-84 7				
VIN Code "F" 1984-90, Eng. Code "G32B-T" 1984-90				
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	88-84	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.
4	Guide	88-84	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.
4	Guide	88-84	VG-710	Int.; .3155" ID, 1.7280" O.A.L.
4	Guide, Bulk	88-84	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	88-84	245-1375-51	Std Only 1.3820" OD, 1.0600" ID, .2800" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	88-84	VK-232	
8	Spring Insert	88-84	259-821B	.060"; Case hardened; Carton of 48
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	88-84	E-486KC	Std Only 2-1.50MM, 1-4.00MM
1	Standard Set	88-84	E-486X	Std Only 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	88-84	WE-486KC	Std Only 2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	88-84	5103M	Std-.25-.50-.75MM
1	Rod Set	88-84	4-3485CP	Std-.25-.50-.75MM
1	Cam Set	88-84	1858M	Std Only
1	Aux. Shaft Set	88-84	1806M	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	86-84	381-8023	
1.7L 105 (1715cc) SOHC L4 (8 Valve), 79.5mm Bore (VW Eng.) 1983-78 8				
VIN Codes "A" 1978-83, "B" 1983				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	83-78	222-17	
1	Timing Belt & Tensioner Set	83-78	BTS-17	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	83-82	VG-776	Exh.; .3149" ID, 1.6750" O.A.L.
4	Guide	83-82	VG-705	Int.; Bronze; .3150" ID, 1.4400" O.A.L.
8	Guide	81-78	VG-705	Exh. & Int.; Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	83-78	ST-2039	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Keeper	83-78	VK-204	3 groove; w/.3125 Stem Dia.
8	Spring Insert	83-78	259-821B	.060"; Case hardened; Carton of 48
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	83-78	68099YA	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	83-78	6834M	Std-.25MM w/std. length flange brg.
1	Aux. Shaft Set	83-78	1726M	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	83-78	224-41912	
1.8L 107.1 (1755cc) SOHC L4 (8 Valve), 80.6mm Bore (Mitsubishi Eng.) 1990-89 9				
VIN Codes "B" 1993-94, "T" 1989-92, Eng. Code "4G37" 1989-94				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-158	Laser
1	Timing Belt Tensioner	90	222-328BT	Colt & Laser
1	Timing Belt Tensioner	89	222-328BT	Colt
1	Bal. Shaft Belt	90	222-159	Laser
1	Bal. Shaft Belt Tensioner	90-89	222-38BT	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
8	Lifter	90-89	HT-6000	Std Only Hyd. lash adj.
8	Lifter, Bulk	90-89	HT-6000B	Std Only Hyd. lash adj.; Carton of 128
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-89	V-2658	Std Only Chrome plated stem; 1.3390" Head Dia., .3125" Stem Dia., 3.7630" O.A.L.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

9 1.8L 107.1 (1755cc) SOHC L4 (8 Valve), 80.6mm Bore (Mitsubishi Eng.) 1990-89 (cont.) VIN Codes "B" 1993-94, "T" 1989-92, Eng. Code "4G37" 1989-94						
QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION		
4	Intake	90-89	V-2659 Std Only	Chrome plated stem; 1.6540" Head Dia., .3137" Stem Dia., 3.8660" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
4	Guide	90-89	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.		
4	Guide	90-89	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.		
4	Guide	90-89	VG-710	Int.; .3155" ID, 1.7280" O.A.L.		
4	Guide, Bulk	90-89	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	90-89	ST-2083	Exh. & Int.; Positive type; Rubber		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	90-89	VK-232			
8	Spring Insert	90-89	259-821B	.060"; Case hardened; Carton of 48		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	90-89	E-541KC Std Only	2-1.50MM, 1-4.00MM		
1	Standard Set	90-89	E-541X Std Only	2-1.50MM, 1-4.00MM		
4	Premium Single Cylinder Set	90-89	WE-541KC Std Only	2-1.50MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-89	5103M Std-.25-.50-.75MM			
1	Rod Set	90-89	4-3485CP Std-.25-.50-.75MM			
1	Aux. Shaft Set	90	1806M			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Screen Assy.	90-89	224-14281			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-89	260-1703	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
RE-RING KIT					PREMIUM	ECONOMY
YEARS	DESCRIPTION				KIT NO.	KIT NO.
90-89	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring		205-6375	205-1375
			Re-ring w/Mains		205-6375M	205-1375M
10 2.0L 121.7 (1995cc) SOHC L4 (8 Valve), 84mm Bore (Mitsubishi Eng.) 1979-74 VIN Code "U" 1974-79, Eng. Codes "G52B" 1974-79, "4G52" 1974-79						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Complete Set	78-74	KT-1013S	Incl. sprockets, chain, tensioner & guides		
1	Bal. Shaft Set	78	KT-1014S	Incl. sprockets, chain & guides		
1	Timing Chain	78-74	222-3DR102	Double rlr.; 102 Links		
1	Timing Chain Tensioner	78-76	222-49CT			
1	Timing Chain Guide	78-74	222-31GP	Slack Side		
1	Timing Chain Guide	78-74	222-30GP	Tension Side		
1	Bal. Shaft Chain Guide	78-76	222-51GP	Lower		
1	Crank Sprocket	78-76	223-407	Single row; 34 Teeth		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
4	Intake	78	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
4	Guide	78-74	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.		
4	Guide	78-74	VG-715	Int.; .3155" ID, 1.8500" O.A.L.		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	78-74	ST-2037	Positive type; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Exh.	78-74	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth		
4	Int.	78-74	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
8	Spring Insert	78-74	259-821B	.060"; Case hardened; Carton of 48		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
4	Cast Piston	79	12207P Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 40.3mm CD, 22.0mm Pin Dia., Flat Head - 8.5:1 C.R.		
4	Cast Piston	78	12207P Std Only	Exc. Canada; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 40.3mm CD, 22.0mm Pin Dia., Flat Head - 8.5:1 C.R.		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	79-74	E-357KC Std-1.00MM	2-2.00MM, 1-4.00MM		
1	Standard Set	79-74	E-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM		
4	Premium Single Cylinder Set	79-74	WE-357KC Std-.50-.75MM	2-2.00MM, 1-4.00MM		
4	Standard Single Cylinder Set	79-74	WE-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM		

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.0L 121.7 (1995cc) SOHC L4 (8 Valve), 84mm Bore (Mitsubishi Eng.) 1979-74 10					
VIN Code "U" 1974-79, Eng. Codes "G52B" 1974-79, "4G52" 1974-79 (cont.)					
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79	6618M	Std-.25-.50-.75MM
	1	Main Set	78-74	6593M	Std-.25-.50-.75MM
	1	Rod Set	79-74	4-66675P	Std-.25-.50-.75-1.00MM
	1	Aux. Shaft Set	79-74	1805M	Rear bal. shaft; Aux. shaft
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	78-76	224-41914	
2.0L 122 (1997cc) SOHC L4 (8 Valve), 85mm Bore (Mitsubishi Eng.) 1990-84 11					
VIN Codes "D" 1984-88, "V" 1989-92, Eng. Codes "G63B" 1984-91, "4G63" 1989-92					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-158	Colt, Laser, Talon & Vista
	1	Timing Belt	89	222-158	Colt & Vista
	1	Timing Belt	89	222-155	2000 GTX
	1	Timing Belt	88-87	222-158	
	1	Timing Belt	86	222-89	w/M/T
	1	Timing Belt	86	222-158	From 1/2/86; w/A/T
	1	Timing Belt	86	222-89	To 1/1/86; w/A/T
	1	Timing Belt	85-84	222-89	
	1	Timing Belt Tensioner	90	222-105BT	Colt, Laser, Talon & Vista
	1	Timing Belt Tensioner	89	222-105BT	Colt & Vista
	1	Timing Belt Tensioner	89	222-333BT	2000 GTX
	1	Timing Belt Tensioner	88-84	222-105BT	
	1	Bal. Shaft Belt	90-87	222-159	
	1	Bal. Shaft Belt	86-84	222-90	
	1	Bal. Shaft Belt Tensioner	90-88	222-161BT	
	1	Bal. Shaft Belt Tensioner	87	222-161BT	From 5/87
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90	CS-817	Exc. 2000 GTX
	1	Camshaft	89	CS-817	Exc. 2000 GTX
	1	Camshaft	88-85	CS-817	
	8	Lifter	90-85	HT-6000	Std Only Hyd. lash adj.
	8	Lifter, Bulk	90-85	HT-6000B	Std Only Hyd. lash adj.; Carton of 128
	1	Prelube	90-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	90-89	R-958	Exh. & Int. R.H.; w/o Jet valves
	2	Arm	89-85	R-958	Exh. 1-3; w/Jet valves
	1	Rocker Shaft	90-85	RS-658	Exh.
	1	Rocker Shaft	90-85	RS-659	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-84	V-3933	Std Only Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.
	4	Intake	90-84	V-2331	Std Only Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.
	4	Intake	86	V-3953	Std Only To 10/31/86; Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	4	Intake	85-84	V-3953	Std Only Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-84	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	90-84	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-85	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring, Bulk	90-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	90-84	ST-2083	Exh.; Positive type; Rubber
	4	Valve Stem Seal	90-84	ST-2037	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-84	245-1500-62	Std Only 1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	90-84	245-1750-61	Std Only 1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-84	VK-232	
	8	Spring Insert	90-84	259-821B	.060"; Case hardened; Carton of 48
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-455KC	Std-.50-.75-1.00-1.50MM 2-1.50MM, 1-4.00MM
	1	Premium Set	87	E-455KC	Std-.50-.75-1.00-1.50MM VIN Code "D"; From 11/1/86; 2-1.50MM, 1-4.00MM

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

11 2.0L 122 (1997cc) SOHC L4 (8 Valve), 85mm Bore (Mitsubishi Eng.) 1990-84
(cont.) VIN Codes "D" 1984-88, "V" 1989-92, Eng. Codes "G63B" 1984-91, "4G63" 1989-92

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	87	E-452KC Std-.75-1.00MM	VIN Code "D"; To 10/31/86; 2-2.00MM, 1-4.00MM	
	1	Premium Set	86-84	E-452KC Std-.75-1.00MM	2-2.00MM, 1-4.00MM	
	1	Standard Set	90-88	E-455X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	87	E-455X Std-.50-.75-1.00-1.50MM	VIN Code "D"; From 11/1/86; 2-1.50MM, 1-4.00MM	
	1	Standard Set	87	E-452X Std-.50-.75-1.00MM	VIN Code "D"; To 10/31/86; 2-2.00MM, 1-4.00MM	
	1	Standard Set	86-84	E-452X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-88	WE-455KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	87	WE-455KC Std-.50-.75-1.00MM	VIN Code "D"; From 11/1/86; 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	87	WE-452KC Std-.50-.75-1.00MM	VIN Code "D"; To 10/31/86; 2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	86-84	WE-452KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	4	Standard Single Cylinder Set	90-88	WE-455X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
4	Standard Single Cylinder Set	87	WE-455X Std-.50-.75-1.00MM	VIN Code "D"; From 11/1/86; 2-1.50MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-84	5103M Std-.25-.50-.75MM			
1	Rod Set	90-84	4-3485CP Std-.25-.50-.75MM			
1	Bal. Shaft Set	90-84	1810M			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-84	260-1199	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	89-84	381-8099	Eng. Code "G63B"		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-88	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-875	205-375
			Re-ring w/Mains		205-875M	205-375M
	87	To 10/31/86; Exh. pipe packing not incl.; VIN Code "D"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-874	205-374
			Re-ring w/Mains		205-874M	205-374M
87	From 11/1/86; Exh. pipe packing not incl.; VIN Code "D"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-875	205-375	
		Re-ring w/Mains		205-875M	205-375M	
86-84	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-874	205-374	
		Re-ring w/Mains		205-874M	205-374M	

12 2.0L 122 (1997cc) DOHC L4 (16 Valve), 85mm Bore (Mitsubishi Eng.) 1990-89
VIN Codes "E" 1993-94, "R" 1989-93, Eng. Code "4G63" 1989-94

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	90	222-B167		
	1	Timing Belt Tensioner	90	222-327BT		
	1	Timing Belt & Tensioner Set	90	BTS-167		
	1	Bal. Shaft Belt	90	222-B168		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90	HT-2274 Std Only	Hyd. lash adj.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90-89	V-2653 Std Only	Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
	8	Exhaust, Bulk	90-89	V-2653B Std Only	Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
VALVE TRAIN	8	Intake	90-89	V-2652 Std Only	Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
	8	Intake, Bulk	90-89	V-2652B Std Only	Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-89	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.	
	8	Guide	90-89	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	90-89	VS-1535	1.8000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	90-89	ST-2056	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Int.	90	245-1437-68 Std Only	1.4445" OD, 1.1350" ID, .3165" Depth	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.0L 122 (1997cc) DOHC L4 (16 Valve), 85mm Bore (Mitsubishi Eng.) 1990-89 12						
VIN Codes "E" 1993-94, "R" 1989-93, Eng. Code "4G63" 1989-94 (cont.)						
BLOCK	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90-89	245-1312-64	Std Only 1.3190" OD, 1.0450" ID, .3165" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	90-89	VK-230		
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90	13507P	Std Only Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 35.0mm CD, 21.0mm Pin Dia., Recessed Head 2.10mm deep x 75.00mm dia. w/4 valve reliefs	
BLOCK	4	Cast Piston - Individual	90	W13507P	Std Only Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 35.0mm CD, 21.0mm Pin Dia., Recessed Head 2.10mm deep x 75.00mm dia. w/4 valve reliefs	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-522KC	Std-.50-.75-1.00MM 1-1.20MM, 1-1.50MM, 1-3.00MM	
BLOCK	4	Premium Single Cylinder Set	90	WE-522KC	Std-1.00MM 1-1.20MM, 1-1.50MM, 1-3.00MM	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	5103M	Std-.25-.50-.75MM	
BLOCK	1	Rod Set	90-89	4-3485CP	Std-.25-.50-.75MM	
	1	Bal. Shaft Set	90-89	1810M		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-43602	Eng. Code "4G63"	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-89	260-1704	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
KITS	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6328	205-6328M	-----
			Re-ring w/Mains			
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
KITS	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. 13507P piston	Block	BK-6296		-----
2.0L 122 (1997cc) DOHC Turbo L4 (16 Valve), 85mm Bore (Mitsubishi Eng.) 1990 13						
VIN Codes "F" 1993-98, "U" 1989-92, Eng. Code "4G63-T" 1989-98						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90	222-B167		
VALVE TRAIN	1	Timing Belt Tensioner	90	222-327BT		
	1	Timing Belt & Tensioner Set	90	BTS-167		
VALVE TRAIN	1	Bal. Shaft Belt	90	222-B168		
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90	HT-2274	Std Only Hyd. lash adj.	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90	V-2653	Std Only Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
VALVE TRAIN	8	Exhaust, Bulk	90	V-2653B	Std Only Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
	8	Intake	90	V-2652	Std Only Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
VALVE TRAIN	8	Intake, Bulk	90	V-2652B	Std Only Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.	
VALVE TRAIN	8	Guide	90	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.	
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	90	VS-1535	1.8000" Free Height	
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	90	ST-2056	Positive type; Rubber	
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90	245-1312-64	Std Only 1.3190" OD, 1.0450" ID, .3165" Depth	
VALVE TRAIN	8	Int.	90	245-1437-68	Std Only 1.4445" OD, 1.1350" ID, .3165" Depth	
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	8	Keeper	90	VK-230		
VALVE TRAIN	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-522KC	Std-.50-.75-1.00MM 1-1.20MM, 1-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90	WE-522KC	Std-1.00MM 1-1.20MM, 1-1.50MM, 1-3.00MM	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

13 2.0L 122 (1997cc) DOHC Turbo L4 (16 Valve), 85mm Bore (Mitsubishi Eng.) 1990						
(cont.) VIN Codes "F" 1993-98, "U" 1989-92, Eng. Code "4G63-T" 1989-98						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	90	5103M	Std-.25-.50-.75MM	
	1	Rod Set	90	4-3485CP	Std-.25-.50-.75MM	
	1	Bal. Shaft Set	90	1810M		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90	260-1704	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
		RE-RING KIT				
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-6328 205-6328M	----- -----
14 2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81						
VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.)						
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Bal. Shaft Chain	90	222-2SR60	60 Links	
	1	Bal. Shaft Chain Guide	90-89	222-297GP		
	1	Timing Belt	90-89	222-153		
	1	Timing Belt	88-81	222-71		
	1	Timing Belt Tensioner	90-89	222-192BT		
	1	Timing Belt Tensioner	88-81	222-91BT		
	1	Timing Belt & Tensioner Set	90-89	BTS-153		
	1	Timing Belt & Tensioner Set	88-81	BTS-71		
	1	Bal. Shaft Belt Tensioner	90	222-1298BT		
VALVE TRAIN	1	Crank Sprocket	90	223-640	36 Teeth	
	1	Bal. Shaft Sprocket	90	223-642	18 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	90-88	CS-785		
	1	Camshaft	90-88	CS-922	w/.020" O/S journals	
	8	Lifter	90-81	HT-2105	Std Only Hyd. lash adj.	
	8	Lifter, Bulk	90-81	HT-2105B	Std Only Hyd. lash adj.; Carton of 247	
	1	Prelube	90-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-88	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B	
1	Cam/Flwr. Kit	90-88	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B		
1	Cam/Lifter/Flwr. Kit	90-88	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B		
1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B		
VALVE TRAIN	1	Cam/Lifter/Timing Kit	88	KCT-785D	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-71, (1) 55-403B	
	1	Cam/Flwr./Timing Kit	90-89	KCT-785A	Incl. (1) CS-785, (8) R-951, (1) 222-153, (1) 55-403B	
	1	Cam/Lifter/Flwr./Timing Kit	90-89	KCT-785C	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-153, (1) 55-403B	
	1	Cam/Lifter/Flwr./Timing Kit	88	KCT-785F	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-71, (1) 55-403B	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	90-88	R-951		
	8	Arm	87-81	R-912		
	8	Arm, Bulk	90-88	R-951B	Carton of 32	
	8	Arm, Bulk	87-81	R-912B	Carton of 64	
	VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4		Exhaust	90-88	V-2427	Std-15 w/TBI; 4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
4		Exhaust	87	V-2427	Std-15 w/TBI; 4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
4		Exhaust	87	V-2194	Std Only w/2 Bbl. Carb.; Omni & Horizon; Chrome plated stem; 1.3937" Head Dia., .3106" Stem Dia., 4.4420" O.A.L.	
4		Exhaust	86	V-2427	Std-15 w/2 Bbl. Carb.; Exc. Omni & Horizon; 4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
4		Exhaust	86	V-2194	Std Only w/2 Bbl. Carb.; Omni & Horizon; Chrome plated stem; 1.3937" Head Dia., .3106" Stem Dia., 4.4420" O.A.L.	
4		Exhaust	85-81	V-2194	Std Only Chrome plated stem; 1.3937" Head Dia., .3106" Stem Dia., 4.4420" O.A.L.	
4		Exhaust, Bulk	90-88	V-2427B	Std-15 w/TBI; 4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
4		Exhaust, Bulk	87	V-2427B	Std-15 w/TBI; 4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81 14					
VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.) (cont.)					
VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Exhaust, Bulk	86	V-2427B Std-15	w/2 Bbl. Carb.; Exc. Omni & Horizon; 4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.
	4	Intake	90-88	V-2428 Std Only	w/TBI; Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.
	4	Intake	87	V-2428 Std Only	w/TBI; Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.
	4	Intake	86	V-2428 Std Only	w/2 Bbl. Carb.; Exc. Omni & Horizon; Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-81	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-81	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-81	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.
	4	Guide	90-81	VG-869	Int.; .3145" ID, 1.5750" O.A.L.
	4	Guide, Bulk	90-81	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
	4	Guide, Bulk	90-81	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-88	VS-1457	Exh. & Int.; 2.2250" Free Height
	8	Spring, Bulk	90-88	VS-1457B	Exh. & Int.; Carton of 250; 2.2250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-81	ST-2015	Positive type; Viton®
	8	Valve Stem Seal	90-81	MV-1919	Umbrella type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-81	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
	4	Int.	90-81	245-1687-51 Std Only	1.6945" OD, 1.3900" ID, .3050" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
8	Keeper	90-81	VK-225	Exh.; 4 groove	
8	Keeper	90-81	VK-144	Int.; 1 groove; Square cut key groove	
8	Keeper	90-81	VK-144R	Int.; 1 groove; Square cut key groove; Hardened	
8	Keeper, Bulk	90-81	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000	
8	Spring Insert	90-81	259-821B	.060"; Case hardened; Carton of 48	
8	Spring Insert	88-86	259-820B	.030"; Case hardened; Carton of 48	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90	527P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	4	Cast Piston	89-87	527P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	4	Cast Piston	86	527P Std-.50-.75-1.00MM	From 3/27/86; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	4	Cast Piston - Individual	90	W527P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	4	Cast Piston - Individual	89-87	W527P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	4	Cast Piston - Individual	86	W527P Std-.50-.75-1.00MM	From 3/27/86; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	86	E-418K Std-.50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM
	1	Premium Set	86	E-454K Std-.50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM
	1	Premium Set	85-81	E-418K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-87	E-454X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	86	E-418X Std-.50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM
	1	Standard Set	86	E-454X Std-.50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM
	1	Standard Set	85-81	E-418X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-87	WE-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86	WE-418K Std-.50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86	WE-454K Std-.50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	85-81	WE-418K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-81	6678MA Std-.25-.50-.75MM	A-Series aluminum bearings
	1	Rod Set	90-81	4-3800CPA Std-.25-.50-.75-1.00MM	
	4	Rod Pair	90-81	3800CPA Std-.026-.25-.50-.75-1.00MM	
	1	Cam Set	90-81	1840M Std Only	
	1	Aux. Shaft Set	90-81	1487M	
	1	Bal. Shaft Set	90	1792MSEMI	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-86	224-4168	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

14 2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81 (cont.) VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.)						
BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	85-81	224-4168S	w/screen	
	1	Screen Assy.	90-88	224-1268		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-89	260-1427	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-89	260-1616	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-89	260-1425	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88-81	260-1093	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	90-85	260-2501	Replacement recommended; 11MM Head bolts	
	1	Head Bolt Set	85-81	260-2505	Replacement recommended; 10MM Head bolts	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-81	381-8050			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6093M	205-1093M
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6093	205-1093
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6097M	205-1097M
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6097	205-1097
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6205M	205-1205M
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6205	205-1205
	88-87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-869M	205-369M
	88-87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring		205-869	205-369
86	VIN Code "C"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-681M	205-181M	
86	VIN Code "C"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring		205-681	205-181	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81 14					
VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.) (cont.)					
K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	86	VIN Code "D"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-869M	205-369M
	86	VIN Code "D"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring	205-869	205-369
	85-81	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-681M	205-181M
	85-81	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring	205-681	205-181
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master	MKP-6093A	MKP-1093A
	90	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6093A	505-1093A
	90	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-6093C	MK-1093C
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	-----	MK-1205A
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-6205A	-----
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-6205B	-----
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master	MKP-6205C	-----
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Freeze plugs not incl.	Master w/o Rods & Mains	505-6205C	-----
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master	MKP-6217A	MKP-1217A
	90	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6217A	505-1217A

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

14 2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81

(cont.) VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. MKP-6361	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION				
	90	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master			
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6199	----	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6199	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6200	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6200	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6201	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6201	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-7057	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7057	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-series aluminum bearings	Master	MKP-7057	----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-7058 MK-7058	MKP-2058 MK-2058	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7058	505-2058	
	89	Exc. Medallion; w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master	MKP-6093A	MKP-1093A	
	89	Exc. Medallion; w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6093A	505-1093A	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-81 14					
VIN Codes "B" 1981-82, "C" 1983-88, "D" 1983-94, "F" 1983-86 (Hi-Perf.), "8" 1983-88 (H.O.) (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS DESCRIPTION				
	89 Exc. Medallion; w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6093C	MK-1093C
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		----	MK-1205A
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6205A	----
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6205B	----
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master		MKP-6205C	----
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Freeze plugs not incl.	Master w/o Rods & Mains		505-6205C	----
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master		MKP-6217A	MKP-1217A
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6217A	505-1217A
	89 Exc. Medallion; w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master		MKP-6361	----
	88 Exc. Medallion; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-869C MK-869C	MKP-369C MK-369C
	88 Exc. Medallion; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam seal w/52.45mm OD (yellow marking) not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-869C	505-369C
2.2L 135 (2212cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-84 15					
VIN Codes "A" 1987-89, "C" 1990, "E" 1984-89, "P" 1989					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Bal. Shaft Chain	90	222-2SR60	60 Links	
1	Timing Belt	90-89	222-153		
1	Timing Belt	88-84	222-71		
1	Timing Belt Tensioner	90-89	222-192BT		
1	Timing Belt Tensioner	88-84	222-91BT		
1	Timing Belt & Tensioner Set	90	BTS-153		
1	Timing Belt & Tensioner Set	88-84	BTS-71		
1	Crank Sprocket	90	223-640	36 Teeth	
1	Bal. Shaft Sprocket	90	223-642	18 Teeth	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

15 2.2L 135 (2212cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-84

(cont.) VIN Codes "A" 1987-89, "C" 1990, "E" 1984-89, "P" 1989

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-88	CS-785	
	1	Camshaft	90-88	CS-922	w/.020" O/S journals
	1	Camshaft	87-84	CS-775	
	8	Lifter	90-84	HT-2105 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90-84	HT-2105B Std Only	Hyd. lash adj.; Carton of 247
	1	Prelube	90-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-88	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B
	1	Cam/Lifter Kit	87-84	KC-775	Hyd.; Incl. (1) CS-775, (8) HT-2105, (1) 55-403B
V A L V E T R A I N	1	Cam/Flwr. Kit	90-88	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B
	1	Cam/Flwr. Kit	87-84	KC-775A	Incl. (1) CS-775, (8) R-912, (1) 55-403B
	1	Cam/Lifter/Flwr. Kit	90-88	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B
	1	Cam/Lifter/Flwr. Kit	87-84	KC-775C	Hyd.; Incl. (1) CS-775, (8) HT-2105, (8) R-912, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B
	1	Cam/Lifter/Timing Kit	88	KCT-785D	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-71, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-84	KCT-775	Hyd.; Incl. (1) CS-775, (8) HT-2105, (1) 222-71, (1) 55-403B
	1	Cam/Flwr./Timing Kit	90-89	KCT-785A	Incl. (1) CS-785, (8) R-951, (1) 222-153, (1) 55-403B
	1	Cam/Flwr./Timing Kit	87-84	KCT-775A	Incl. (1) CS-775, (8) R-912, (1) 222-71, (1) 55-403B
	1	Cam/Lifter/Flwr./Timing Kit	90-89	KCT-785C	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-153, (1) 55-403B
V A L V E T R A I N	1	Cam/Lifter/Flwr./Timing Kit	88	KCT-785F	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-71, (1) 55-403B
	1	Cam/Lifter/Flwr./Timing Kit	87-84	KCT-775C	Hyd.; Incl. (1) CS-775, (8) HT-2105, (8) R-912, (1) 222-71, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-88	R-951	
	8	Arm	87-84	R-912	
	8	Arm, Bulk	90-88	R-951B	Carton of 32
	8	Arm, Bulk	87-84	R-912B	Carton of 64
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-87	V-3940 Std Only	w/Intercooler; Chrome plated stem; 1.3940" Head Dia., .3116" Stem Dia., 4.5220" O.A.L.
	4	Exhaust	86	V-3940 Std Only	Chrome plated stem; 1.3940" Head Dia., .3116" Stem Dia., 4.5220" O.A.L.
V A L V E T R A I N	4	Intake	90-87	V-2434 Std Only	w/Intercooler; Chrome plated stem; 1.5984" Head Dia., .3127" Stem Dia., 4.4990" O.A.L.
	4	Intake	86	V-2434 Std Only	Chrome plated stem; 1.5984" Head Dia., .3127" Stem Dia., 4.4990" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-84	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-84	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-84	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.
	4	Guide	90-84	VG-869	Int.; .3145" ID, 1.5750" O.A.L.
	4	Guide, Bulk	90-84	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
	4	Guide, Bulk	90-84	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	8	Spring	90-88	VS-1457	2.2250" Free Height
	8	Spring, Bulk	90-88	VS-1457B	Carton of 250; 2.2250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-84	ST-2015	Positive type; Viton®
	8	Valve Stem Seal	90-84	MV-1919	Umbrella type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-84	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
	4	Int.	90-84	245-1687-51 Std Only	1.6945" OD, 1.3900" ID, .3050" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	90-84	VK-225	Exh.; 4 groove
V A L V E T R A I N	8	Keeper	90-84	VK-144	Int.; 1 groove; Square cut key groove
	8	Keeper	90-84	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
	8	Keeper, Bulk	90-84	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
	8	Spring Insert	90-84	259-821B	.060"; Case hardened; Carton of 48
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-86	533P Std.-50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.
	4	Cast Piston - Individual	90-86	W533P Std.-50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.2L 135 (2212cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-84 **15**

VIN Codes "A" 1987-89, "C" 1990, "E" 1984-89, "P" 1989 (cont.)

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	90-84	E-453K	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-84	WE-453K	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-84	6678MA	Std-.25-.50-.75MM A-Series aluminum bearings	
	1	Rod Set	90-84	4-3800CPA	Std-.25-.50-.75-1.00MM	
	4	Rod Pair	90-84	3800CPA	Std-.026-.25-.50-.75-1.00MM	
	1	Aux. Shaft Set	90-84	1487M		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-86	224-4168		
1	Oil Pump	85-84	224-4168S	w/screen		
1	Screen Assy.	90	224-1568			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	KITS	
1	Kit Gasket Set	90-89	260-1549	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	90-88	260-1426	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	88	260-1276	Valve cover gskts. not incl.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	87-84	260-1276	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		
1	Head Bolt Set	90-85	260-2501	Replacement recommended; 11MM Head bolts		
1	Head Bolt Set	85-84	260-2505	Replacement recommended; 10MM Head bolts		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-84	381-8050			
KITS	RE-RING KIT					PREMIUM KIT NO.
	YEARS	DESCRIPTION				
	90-88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6094M	----
	90-88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6094	----
	88	Valve cover gskts. not incl.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains		205-868M	----
	88	Valve cover gskts. not incl.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring		205-868	----
	87-84	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains		205-868M	----
	87-84	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring		205-868	----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6094A	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master		MKP-6094C	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6094C	----
	90-89	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6207	----

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

15 2.2L 135 (2212cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-84

(cont.) VIN Codes "A" 1987-89, "C" 1990, "E" 1984-89, "P" 1989

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6206	----	
	90-88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6206	----	
	88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6094D MK-6094D	---- ----	
	88	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6094D	----	
	87-86	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-868C MK-868C	---- ----	
	87-86	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-868C	----	

16 2.2L 135 (2212cc) DOHC Turbo L4 (16 Valve), 87.5mm Bore 1990-89

VIN Codes "A" 1989-93, "P" 1989-90, "R" 1989-90

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Timing Belt & Tensioner Set	89	BTS-153		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-453K Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-89	WE-453K Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	6678MA Std.-.25-.50-.75MM	A-Series aluminum bearings	
B L O C K	1	Rod Set	90-89	4-3800CPA Std.-.25-.50-.75-1.00MM		
	4	Rod Pair	90-89	3800CPA Std.-.026-.25-.50-.75-1.00MM		
	1	Aux. Shaft Set	90-89	1487M		
	1	Bal. Shaft Set	90-89	1792MSEMI		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-89	224-4168		
	1	Screen Assy.	90-89	224-1268		
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-89	381-8050		

17 2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1989-88

VIN Codes "H" 1989, "Z" 1988

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	89-88	KT3-3SR64S	Incl. (1) 222-3SR64, (1) 223-607, (1) 223-608A	
	1	Timing Chain	89-88	222-3SR64	Single rlr.; 64 Links	
	1	Timing Chain Tensioner	89-88	222-167CT		
	1	Crank Sprocket	89-88	223-607	24 Teeth	
	1	Cam Sprocket	89-88	223-608A	48 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	1	Camshaft	88	CS-779		
	8	Lifter	89-88	HT-2011 Std Only	Hyd.	
	8	Lifter, Bulk	89-88	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	88	KC-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	88	KCT-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) KT3-3SR64S, (1) 55-403B	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	89-88	RP-3236	9.4860" O.A.L.	
	8	Push Rod, Bulk	89-88	BRP-3236	Carton of 100; 9.4860" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	4	Arm Assy.	89-88	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1989-88 **17**
VIN Codes "H" 1989, "Z" 1988 (cont.)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
4	Arm Assy., Bulk	89-88	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
8	Arm	89-88	R-905A	Stamped rocker arm
4	Bridge	89-88	MR-1840	
4	Pivot	89-88	MR-1909	Incl. 2-pivots & 1-bridge
8	Pivot	89-88	MR-1839	Pivot only
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	89-88	V-2526 Std-15	Chrome plated stem; w/radius key groove; 1.5000" Head Dia., .3108" Stem Dia., 4.9390" O.A.L.
4	Exhaust	89-88	V-2295 Std Only	Chrome plated stem; Square cut key groove; 1.5000" Head Dia., .3115" Stem Dia., 4.9390" O.A.L.
4	Exhaust, Bulk	89-88	V-2526B15 15	Chrome plated stem; w/radius key groove; Carton of 25; 1.5000" Head Dia., .3258" Stem Dia., 4.9390" O.A.L.
4	Intake	89-88	V-2527 Std-15	w/radius key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
4	Intake	89-88	V-2294 Std Only	Chrome plated stem; Square cut key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
4	Intake, Bulk	89-88	V-2527B15 15	w/radius key groove; Carton of 25; 1.9100" Head Dia., .3265" Stem Dia., 4.9110" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	89	VS-1456	Conical design; 2.0160" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	89-88	ST-2043	Exh.; Positive type; Rubber
4	Valve Stem Seal	89-88	ST-2044	Int.; Positive type; Rubber
4	Valve Stem Seal Bulk	89-88	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	89-88	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
4	Exh.	89-88	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
4	Int.	89-88	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-88	VK-216	Radius cut; 1 groove
16	Keeper	89-88	VK-144	1 groove; Square cut key groove
16	Keeper	89-88	VK-144R	1 groove; Square cut key groove; Hardened
16	Keeper, Bulk	89-88	VK-216B	Radius cut; 1 groove; Carton of 1000
16	Keeper, Bulk	89-88	VK-144B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	89-88	525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	89-88	525P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.
4	Cast Piston - Individual	89-88	W525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	89-88	W525P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	89-88	E-450K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	89-88	E-450X Std-20-30-40-60	2-5/64, 1-3/16
4	Premium Single Cylinder Set	89-88	WE-450K Std-20-30-40-60	2-5/64, 1-3/16
4	Standard Single Cylinder Set	89-88	WE-450X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-88	6676M Std-10-20-30	
1	Rod Set	89-88	4-3310CPA Std-10-20-30-40	
4	Rod Pair	89-88	3310CPA Std-1-2-10-20-30-40-50-60	
1	Cam Set	89-88	1244M Std-10	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	89-88	224-41198	Replaces pump w/cover having tab & slotted hole
1	Pump Repair Kit	89-88	224-51198	Use w/pump having cover w/tab & slotted hole
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	89-88	260-1192	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	89-88	381-8086	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

17 2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1989-88

(cont.) VIN Codes "H" 1989, "Z" 1988

K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	89-88	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-859 205-859M	205-359 205-359M	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	89-88	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Block w/Pump & Freeze Plugs		BKP-6187	----	
	89-88	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block		BK-6187	----	
	88	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master Master w/o Pistons Master w/o Rods & Mains		MKP-7050 MK-7050 505-7050	MKP-2050 MK-2050 505-2050	
	88	Freeze plugs not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master Master w/o Pistons Master w/o Rods & Mains		MKP-859A MK-859A 505-859A	MKP-359A MK-359A 505-359A	

18 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-86

VIN Codes "K" 1986-95, "V" 1993-94 (Flex Fuel)

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Bal. Shaft Chain	90-86	222-2SR60	60 Links	
	1	Bal. Shaft Chain Guide	90-86	222-297GP		
	1	Timing Belt	90-89	222-153		
	1	Timing Belt	88	222-132		
	1	Timing Belt	87-86	222-114		
	1	Timing Belt Tensioner	90-89	222-192BT		
	1	Timing Belt Tensioner	88-86	222-191BT		
	1	Timing Belt & Tensioner Set	90-89	BTS-153		
	1	Bal. Shaft Belt Tensioner	90-86	222-1298BT		
V A L V E T R A I N	1	Crank Sprocket	90-86	223-640	36 Teeth	
	1	Bal. Shaft Sprocket	90-86	223-642	18 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-88	CS-785		
	1	Camshaft	90-88	CS-922	w/.020" O/S journals	
	8	Lifter	90-86	HT-2105 Std Only	Hyd. lash adj.	
	8	Lifter, Bulk	90-86	HT-2105B Std Only	Hyd. lash adj.; Carton of 247	
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-88	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B	
V A L V E T R A I N	1	Cam/Flwr. Kit	90-88	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B	
	1	Cam/Lifter/Flwr. Kit	90-88	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	88	KCT-785G	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-132, (1) 55-403B	
	1	Cam/Flwr./Timing Kit	90-89	KCT-785A	Incl. (1) CS-785, (8) R-951, (1) 222-153, (1) 55-403B	
	1	Cam/Flwr./Timing Kit	88	KCT-785H	Incl. (1) CS-785, (8) R-951, (1) 222-132, (1) 55-403B	
	1	Cam/Lifter/Flwr./Timing Kit	90-89	KCT-785C	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-153, (1) 55-403B	
	1	Cam/Lifter/Flwr./Timing Kit	88	KCT-785K	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-132, (1) 55-403B	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	90-88	R-951		
V A L V E T R A I N	8	Arm	87-86	R-912		
	8	Arm, Bulk	90-88	R-951B	Carton of 32	
	8	Arm, Bulk	87-86	R-912B	Carton of 64	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-86	V-2427 Std-15	4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
	4	Exhaust, Bulk	90-86	V-2427B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	
	4	Intake	90-86	V-2428 Std Only	Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90-86	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.	
	4	Guide	90-86	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.	
V A L V E T R A I N	4	Guide	90-86	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.	
	4	Guide	90-86	VG-869	Int.; .3145" ID, 1.5750" O.A.L.	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-86 18					
VIN Codes "K" 1986-95, "V" 1993-94 (Flex Fuel) (cont.)					
V A L V E T R A I N	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Guide, Bulk	90-86	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
	4	Guide, Bulk	90-86	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-88	VS-1457	2.2250" Free Height
	8	Spring, Bulk	90-88	VS-1457B	Carton of 250; 2.2250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-86	MV-1919	Umbrella type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-86	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
4	Int.	90-86	245-1687-51 Std Only	1.6945" OD, 1.3900" ID, .3050" Depth	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	90-86	VK-225	Exh.; 4 groove
	8	Keeper	90-86	VK-144	Int.; 1 groove; Square cut key groove
	8	Keeper	90-86	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
	8	Keeper, Bulk	90-86	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
	8	Spring Insert	90-87	259-820B	.030"; Case hardened; Carton of 48
	8	Spring Insert	90-86	259-821B	.060"; Case hardened; Carton of 48
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-89	571CP Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .147" deep x 3.015" dia. w/2 valve reliefs; DurOshield® skirt coated piston
	4	Cast Piston	88-86	533P Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.
4	Cast Piston - Individual	90-89	W571CP Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .147" deep x 3.015" dia. w/2 valve reliefs; DurOshield® skirt coated piston	
4	Cast Piston - Individual	88-86	W533P Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-86	E-454X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-86	WE-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-86	6678MA Std-.25-.50-.75MM	A-Series aluminum bearings
	1	Rod Set	90-86	4-3800CPA Std-.25-.50-.75-1.00MM	
	4	Rod Pair	90-86	3800CPA Std-.026-.25-.50-.75-1.00MM	
	1	Cam Set	90-86	1840M Std Only	
	1	Aux. Shaft Set	90-86	1487M	
1	Bal. Shaft Set	90-86	1792MSEMI		
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-86	224-4168	
	1	Screen Assy.	90-89	224-1568	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1425	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-88	260-1427	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-88	260-1616	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87-86	260-1200	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.
	1	Head Bolt Set	90-86	260-2501	Replacement recommended; 11MM Head bolts
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-86	381-8050		

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

18 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-86
 (cont.) VIN Codes "K" 1986-95, "V" 1993-94 (Flex Fuel)

K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6093M	205-1093M
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6093	205-1093
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6097M	205-1097M
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6097	205-1097
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6205M	205-1205M
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6205	205-1205
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6097M	205-1097M
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6097	205-1097
K I T S	88	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6205M	205-1205M
	88	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6205	205-1205
	87-86	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-870M	205-370M
	87-86	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring	205-870	205-370
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6093C MK-6093C	MKP-1093C MK-1093C
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6093C	505-1093C
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	----	MK-1205A

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-86 **18**
VIN Codes "K" 1986-95, "V" 1993-94 (Flex Fuel) (cont.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.		ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6205A MK-6205A	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		----- 505-1205A	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6205B 505-1205B	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6205B MK-6205B	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6208 -----	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6208 -----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6209 -----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6209 -----	
K I T S	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6210 -----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6210 -----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-7057 -----	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-7058 MK-2058	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master		MKP-7059 MKP-2059	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-7059 505-2059	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

18 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-86

(cont.) VIN Codes "K" 1986-95, "V" 1993-94 (Flex Fuel)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7060	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Master	MKP-7060	-----
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6097A MK-6097A	MKP-1097A MK-1097A
K I T S	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6097A	505-1097A

19 2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89

VIN Code "J" 1989-92

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Bal. Shaft Chain	90-89	222-2SR60	60 Links
	1	Timing Belt	90-89	222-153	
	1	Timing Belt Tensioner	90-89	222-192BT	
	1	Timing Belt & Tensioner Set	90-89	BTS-153	
	1	Crank Sprocket	90-89	223-640	36 Teeth
	1	Bal. Shaft Sprocket	90-89	223-642	18 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-785	
	1	Camshaft	90-89	CS-922	w/.020" O/S journals
	8	Lifter	90-89	HT-2105 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90-89	HT-2105B Std Only	Hyd. lash adj.; Carton of 247
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B
	1	Cam/Flwr. Kit	90-89	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B
	1	Cam/Lifter/Flwr. Kit	90-89	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B
	1	Cam/Flwr./Timing Kit	90-89	KCT-785A	Incl. (1) CS-785, (8) R-951, (1) 222-153, (1) 55-403B
	1	Cam/Lifter/Flwr./Timing Kit	90-89	KCT-785C	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-153, (1) 55-403B
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-89	R-951	
	8	Arm, Bulk	90-89	R-951B	Carton of 32
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-89	V-3940 Std Only	Chrome plated stem; 1.3940" Head Dia., .3116" Stem Dia., 4.5220" O.A.L.
	4	Intake	90-89	V-2434 Std Only	Chrome plated stem; 1.5984" Head Dia., .3127" Stem Dia., 4.4990" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-89	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-89	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-89	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.
	4	Guide	90-89	VG-869	Int.; .3145" ID, 1.5750" O.A.L.
	4	Guide, Bulk	90-89	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
	4	Guide, Bulk	90-89	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-89	VS-1457	2.2250" Free Height
	8	Spring, Bulk	90-89	VS-1457B	Carton of 250; 2.2250" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-89	MV-1919	Umbrella type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-89	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
	4	Int.	90-89	245-1687-51 Std Only	1.6945" OD, 1.3900" ID, .3050" Depth

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89 **19**

VIN Code "J" 1989-92 (cont.)

BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Keeper	90-89	VK-225	Exh.; 4 groove	
	8	Keeper	90-89	VK-144	Int.; 1 groove; Square cut key groove	
	8	Keeper	90-89	VK-144R	Int.; 1 groove; Square cut key groove; Hardened	
	8	Keeper, Bulk	90-89	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000	
	8	Spring Insert	90-89	259-820B	.030"; Case hardened; Carton of 48	
	8	Spring Insert	90-89	259-821B	.060"; Case hardened; Carton of 48	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Cast Piston	90-89	H579P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .300" deep x 2.865" dia. w/2 valve reliefs	
	4	Cast Piston - Individual	90-89	WH579P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .300" deep x 2.865" dia. w/2 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-453K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-89	WE-453K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	6678MA Std-.25-.50-.75MM	A-Series aluminum bearings	
	1	Rod Set	90-89	4-3800CPA Std-.25-.50-.75-1.00MM		
	4	Rod Pair	90-89	3800CPA Std-.026-.25-.50-.75-1.00MM		
	1	Aux. Shaft Set	90-89	1487M		
	1	Bal. Shaft Set	90-89	1792MSEMI		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-89	224-4168		
	1	Screen Assy.	90-89	224-1568		
KITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Kit Gasket Set	90-89	260-1426	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-89	260-1549	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	90-89	260-2501	Replacement recommended; 11MM Head bolts	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-89	381-8050		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6094M	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6094	----
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6094A MK-6094A	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6094A	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6218	----
	90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6218	----
	90-89	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6219	----

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

19 2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89

(cont.) VIN Code "J" 1989-92

OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION	BK-6219	-----
90-89	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	

20 2.6L 156 (2555cc) SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1985-78

VIN Codes "D" 1981-82, "F" 1978-80, "G" 1983-85, "7" 1981-83, Eng. Code "G54B" 1978-85

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	85-78	KT-1013S	Incl. sprockets, chain, tensioner & guides
	1	Bal. Shaft Set	85-78	KT-1014S	Incl. sprockets, chain & guides
	1	Timing Chain	85-78	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	85-78	222-49CT	
	1	Timing Chain Guide	85-78	222-31GP	Slack Side
	1	Timing Chain Guide	85-78	222-30GP	Tension Side
	1	Bal. Shaft Chain Guide	85-78	222-51GP	Lower
	1	Bal. Shaft Chain Guide	85-78	222-64GP	R.H.
	1	Crank Sprocket	85-78	223-407	Outer; Single row; 34 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	85-83	CS-769	VIN Code "G"; w/Mech. lash adjusters
	1	Camshaft	82-81	CS-769	VIN Code "D"; w/Mech. lash adjusters
	1	Prelube	85-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	85	V-2313 Std Only	Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.
	4	Exhaust	84	V-2313 Std Only	From 6/84; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.
	4	Intake	85	V-2312 Std Only	1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.
	4	Intake	85-78	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	4	Intake	84	V-2312 Std Only	From 6/84; 1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	85-78	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	85-78	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	85	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring	84	VS-1461	Exh. & Int.; From 6/84; 1.9600" Free Height
	8	Spring, Bulk	85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 6/84; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	85-78	ST-2083	Exh. & Int.; Positive type; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	85-81	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth
	4	Exh.	80-78	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	80-78	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	85	VK-232	
	16	Keeper	84	VK-232	From 6/84
	8	Spring Insert	85-78	259-821B	.060"; Case hardened; Carton of 48
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	85-84	12220P.75MM .75-1.00MM	VIN Code "G"; Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.
	4	Cast Piston	83	H589P.50MM .50-.75-1.00-1.50MM	To 4/83; VIN Code "G"; Use in sets only; Use w/E-425KC or E-425X ring set; Hypereutectic; 2-2.00mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Recessed Head .130" deep x 2.670" dia.; Not factory duplicate
	4	Cast Piston	82-81	H589P.50MM .50-.75-1.00-1.50MM	VIN Code "D"; Use in sets only; Use w/E-425KC or E-425X ring set; Hypereutectic; 2-2.00mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Recessed Head .130" deep x 2.670" dia.; Not factory duplicate
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	85-84	E-439KC Std.-50-.75-1.00-1.50MM	VIN Code "G"; 2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-439KC Std.-50-.75-1.00-1.50MM	From 5/83; VIN Code "G"; 2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-425KC1.00MM 1.00MM	To 4/83; VIN Code "G"; 2-2.00MM, 1-4.00MM
	1	Premium Set	82-81	E-425KC1.00MM 1.00MM	VIN Code "D"; 2-2.00MM, 1-4.00MM
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	85-84	12220P.75MM .75-1.00MM	VIN Code "G"; Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.
	4	Cast Piston	83	H589P.50MM .50-.75-1.00-1.50MM	To 4/83; VIN Code "G"; Use in sets only; Use w/E-425KC or E-425X ring set; Hypereutectic; 2-2.00mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Recessed Head .130" deep x 2.670" dia.; Not factory duplicate
	4	Cast Piston	82-81	H589P.50MM .50-.75-1.00-1.50MM	VIN Code "D"; Use in sets only; Use w/E-425KC or E-425X ring set; Hypereutectic; 2-2.00mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Recessed Head .130" deep x 2.670" dia.; Not factory duplicate
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	85-84	E-439KC Std.-50-.75-1.00-1.50MM	VIN Code "G"; 2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-439KC Std.-50-.75-1.00-1.50MM	From 5/83; VIN Code "G"; 2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-425KC1.00MM 1.00MM	To 4/83; VIN Code "G"; 2-2.00MM, 1-4.00MM
	1	Premium Set	82-81	E-425KC1.00MM 1.00MM	VIN Code "D"; 2-2.00MM, 1-4.00MM

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.6L 156 (2555cc) SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1985-78 20
 VIN Codes "D" 1981-82, "F" 1978-80, "G" 1983-85, "7" 1981-83, Eng. Code "G54B" 1978-85 (cont.)

B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	80	E-425KC 1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM	
	1	Standard Set	85-84	E-439X Std.-50-.75-1.00MM	VIN Code "G"; 2-1.50MM, 1-4.00MM	
	1	Standard Set	83	E-439X Std.-50-.75-1.00MM	From 5/83; VIN Code "G"; 2-1.50MM, 1-4.00MM	
	1	Standard Set	83	E-425X1.00MM 1.00MM	To 4/83; VIN Code "G"; 2-2.00MM, 1-4.00MM	
	1	Standard Set	82-81	E-425X1.00MM 1.00MM	VIN Code "D"; 2-2.00MM, 1-4.00MM	
	1	Standard Set	80	E-425X1.00MM 1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	85-84	WE-439KC Std.-50-.75-1.00MM	VIN Code "G"; 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	83	WE-439KC Std.-50-.75-1.00MM	From 5/83; VIN Code "G"; 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	83	WE-425KC Std.-50-.75-1.00MM	To 4/83; VIN Code "G"; 2-2.00MM, 1-4.00MM	
B L O C K	4	Premium Single Cylinder Set	82-81	WE-425KC Std.-50-.75-1.00MM	VIN Code "D"; 2-2.00MM, 1-4.00MM	B L O C K
	4	Premium Single Cylinder Set	80	WE-425KC Std.-50-.75-1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	85-78	6618M Std.-25-.50-.75MM		
	1	Rod Set	85-78	4-66675P Std.-25-.50-.75-1.00MM		
	1	Cam Set	85-78	1858M Std Only		
	1	Aux. Shaft Set	85-78	1805M	Rear bal. shaft; Aux. shaft	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	85-78	224-41914	Eng. Code "G54B"	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
K I T S	1	Kit Gasket Set	85-83	260-1156	VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	K I T S
	1	Kit Gasket Set	83-81	260-1155	VIN Code "7"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	82-81	260-1156	VIN Code "D"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	85-78	260-2513	Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	85-78	381-8051		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	85-84	VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-747 205-747M	205-247 205-247M
	83	To 4/30/83; VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-746 205-746M	----- -----
K I T S	83	From 5/1/83; VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-747 205-747M	205-247 205-247M
	82-81	VIN Code "D"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-746 205-746M	----- -----
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	85-84	VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-747C MK-747C	----- MK-247C
	83	To 4/30/83; VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains		MKP-746C MK-746C 505-746C	----- ----- -----
	83	From 5/1/83; VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-747C	MK-247C
	82-81	VIN Code "D"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains		MKP-746C MK-746C 505-746C	----- ----- -----

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

21 2.6L 156 (2555cc) SOHC Turbo L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1989-84

VIN Codes "H" 1984-87, "N" 1985-89, Eng. Code "G54B-T" 1984-89

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	89-84	KT-1013S	Incl. sprockets, chain, tensioner & guides
	1	Bal. Shaft Set	89-84	KT-1014S	Incl. sprockets, chain & guides
	1	Timing Chain	89-84	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	87-84	222-49CT	
	1	Timing Chain Guide	89-84	222-31GP	Slack Side
	1	Timing Chain Guide	89-84	222-30GP	Tension Side
	1	Bal. Shaft Chain Guide	89-84	222-51GP	Lower
	1	Bal. Shaft Chain Guide	89-84	222-64GP	R.H.
	1	Crank Sprocket	89-84	223-407	Outer; Single row; 34 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-86	CS-810	
	8	Lifter	89-86	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	89-86	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	89-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	89-86	R-958	Exh.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	88	V-2313 Std Only	Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.
	4	Exhaust	87-85	V-2313 Std Only	Exc. Intercooled; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	89-84	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	89-84	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	89-85	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring	84	VS-1461	Exh. & Int.; From 6/84; 1.9600" Free Height
	8	Spring, Bulk	89-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 6/84; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	89-84	ST-2083	Exh. & Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	89-84	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	89-85	VK-232	
	16	Keeper	84	VK-232	From 6/84
	8	Spring Insert	89-84	259-821B	.060"; Case hardened; Carton of 48
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89-84	12220P.75MM .75-1.00MM	Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-84	E-439KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-84	WE-439KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-84	6618M Std-.25-.50-.75MM	
	1	Rod Set	89-84	4-66675P Std-.25-.50-.75-1.00MM	
	1	Cam Set	89-84	1858M Std Only	
	1	Aux. Shaft Set	89-84	1805M	Rear bal. shaft; Aux. shaft
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	89-84	224-41915	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87	260-1201	To 2/28/87; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-84	260-1201	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

2.6L 156 (2555cc) SOHC Turbo L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1989-84 21						
VIN Codes "H" 1984-87, "N" 1985-89, Eng. Code "G54B-T" 1984-89 (cont.)						
	QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Head Bolt Set	89-84	260-2513	Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-84	381-8051		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87	To 2/28/87; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-871 205-871M
	86-84	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-871 205-871M
2.8L 170 OHV L6, 3.4063" Bore 1971-60 22						
VIN Code "A" 1966-71						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	71-60	KT3-495SA	Incl. (1) KT3-495SA	
	1	Timing Chain	71-60	222-495	Silent type; 50 Links	
	1	Crank Sprocket	71-60	223-291	Use w/silent type chain; 19 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	69-60	CS-380		
	12	Lifter	71-60	AT-2084 Std Only	Dumbbell shaped mech.	
	12	Lifter, Bulk	71-60	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117	
	1	Prelube	69-60	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-60	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	71-60	RP-3079	8.5220" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	1	Rocker Shaft	71-60	RS-620		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	71-60	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.	
	6	Exhaust, Bulk	71-60	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.	
	6	Intake	71-60	V-1434 Std Only	2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	71-60	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	71-60	VS-510	2.0000" Free Height	
	12	Spring, Bulk	71-60	VS-510B	Carton of 250; 2.0000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	71-60	ST-2014	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE	
	6	Valve Stem Seal	71-60	ST-2004	Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE	
	6	Valve Stem Seal	71-63	MV-1918	Exh.; Umbrella type; Viton®	
	6	Valve Stem Seal	69-63	MV-1771C	Int.; Umbrella type; Polyacrylate	
	6	Valve Stem Seal	62-61	MV-1599C	Int.; Umbrella type; Rubber	
	12	Valve Stem Seal Bulk	71-60	ST-2014BC	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE	
	6	Valve Stem Seal Bulk	71-60	ST-2004BC	Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	6	Valve Stem Seal Bulk	69-63	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
	6	Valve Stem Seal Bulk	62-61	MV-1599	Int.; Umbrella type; Carton of 100; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	71-60	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth	
6	Int.	71-60	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth		
6	Int.	71-60	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
12	Keeper	71-60	VK-174	Exh.; 4 groove		
12	Keeper	71-60	VK-174R	Exh.; 4 groove; Hardened		
12	Keeper	71-60	VK-66	Int.; 2 groove		
12	Keeper	71-60	VK-66R	Int.; 2 groove; Hardened		
12	Spring Insert	71-60	259-103C	.015"; ID 1.030"; Carton of 100		
12	Spring Insert	71-60	259-103B	.030"; ID 1.030"; Carton of 100		
12	Spring Insert	71-60	259-103BRS	.030"; ID 1.030"; Carton of 500		
12	Spring Insert	71-60	259-103A	.060"; ID 1.030"; Carton of 100		

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

22 2.8L 170 OHV L6, 3.4063" Bore 1971-60

(cont.) VIN Code "A" 1966-71

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	12	Spring Insert	71-60	259-103ARS	.060"; ID 1.030"; Carton of 500	
	6	Rotocap	69-61	RC-78S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Cast Piston	71-60	244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.	
	6	Cast Piston - Individual	71-60	W244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	71-60	E-196K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	71-60	E-196X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	71-60	WE-196K Std-20-30-40-60	2-5/64, 1-3/16	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	71-60	4092M Std-10-20-30		
	1	Rod Set	71-60	6-2375CP Std-10-20-30-40	6-2375CA 60 avail. as unplated & resizeable	
	6	Rod Pair	71-60	2375CP Std-10-20-30-40		
	1	Cam Set	71-60	1454M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	71-60	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump	
	1	Oil Pump	71-60	224-4165V	High Volume; Will replace 5 bolt pump	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	71-62	260-1004	Premium valve stem seals incl.	
KITS	1	Kit Gasket Set	61-60	260-1004	w/1 Bbl. Carb.; Premium valve stem seals incl.	KITS
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	71-60	381-8012		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	71-62	Premium valve stem seals incl.		Re-ring	205-602	205-102
				Re-ring w/Mains	205-602M	205-102M
	61-60	w/1 Bbl. Carb.; Premium valve stem seals incl.		Re-ring	205-602	205-102
				Re-ring w/Mains	205-602M	205-102M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
KITS	69-62	Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump		Master	MKP-602A	MKP-102A
				Master w/o Pistons	MK-602A	MK-102A
	69-62	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump		Master w/o Rods & Mains	505-602A	505-102A
	61-60	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump		Master	MKP-602A	MKP-102A
				Master w/o Pistons	MK-602A	MK-102A
	61-60	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump		Master w/o Rods & Mains	505-602A	505-102A

23 3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-88

VIN Codes "H" 1993-96, "S" 1990-92, "3" 1988-95, Eng. Code "6G72" 1988-96

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	90-88	222-139		
	1	Timing Belt Tensioner	90-88	222-195BT		
	1	Timing Belt & Tensioner Set	90-88	BTS-139		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90	CS-865	L.H. Front; 16" length w/gear; Hyd. rlr.	
	1	Camshaft	90	CS-864	R.H. Rear; 14.5" length; Hyd. rlr.	
	1	Camshaft	89-88	CS-820	L.H. Front; 16" length w/gear	
	1	Camshaft	89-88	CS-822	R.H. Rear; 14.5" length	
	12	Lifter	90-88	HT-6000 Std Only	Hyd. lash adj.	
VALVE TRAIN	12	Lifter, Bulk	90-88	HT-6000B Std Only	Hyd. lash adj.; Carton of 128	VALVE TRAIN
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90	KC-865	Front; Incl. 16" L.H. Front rlr. camshaft w/gear; Incl. (1) CS-865, (6) HT-6000, (1) 55-403B	
	1	Cam/Lifter Kit	90	KC-866	Front & Rear; Incl. 14.5" R.H. Rear & 16" L.H. Front rlr. camshafts w/gear; Incl. (1) CS-864, (1) CS-865, (6) HT-6000, (1) 55-403B	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-88 **23**
VIN Codes "H" 1993-96, "S" 1990-92, "3" 1988-95, Eng. Code "6G72" 1988-96 (cont.)

V A L V E T R A I N	QTY 1	CAM KIT (cont.) Cam/Lifter Kit	YEARS 90	PART NO. KC-864	DESCRIPTION Rear; Incl. 14.5" R.H. Rear rlr. camshaft w/gear; Incl. (1) CS-864, (6) HT-6000, (1) 55-403B
	QTY 12 12 1 1	ROCKER PARTS Arm Arm Rocker Shaft Rocker Shaft	YEARS 90-88 90-88 90-88 90-88	PART NO. R-1003 R-1122 RS-699 RS-700	DESCRIPTION w/Mech. lifters w/Rlr. lifters L.H. Front R.H. Rear
	QTY 6 6 6 6	VALVE Exhaust Exhaust, Bulk Intake Intake, Bulk	YEARS 90-88 90-88 90-88 90-88	PART NO. V-3952 Std Only V-3952B Std Only V-2563 Std Only V-2563B Std Only	DESCRIPTION Nitrided stem; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L. 1 groove; Nitrided stem; Carton of 25; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L. Nitrided stem; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L. Nitrided stem; Carton of 25; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.
	QTY 6 6 6 6	VALVE GUIDE Guide Guide Guide Guide, Bulk	YEARS 90-88 90-88 90-88 90-88	PART NO. VG-13152 VG-1315 VG-710 VG-1315B	DESCRIPTION Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L. Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L. Int.; .3155" ID, 1.7280" O.A.L. Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.
	QTY 12 12	VALVE SPRING Spring Spring, Bulk	YEARS 90-88 90-88	PART NO. VS-1461 VS-1461B	DESCRIPTION Exh. & Int.; 1.9600" Free Height Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY 12	VALVE SEAL Valve Stem Seal	YEARS 90	PART NO. ST-2037	DESCRIPTION Positive type; Rubber
	QTY 6 6	VALVE SEAT Exh. Int.	YEARS 90-88 90-88	PART NO. 245-1562-69 Std Only 245-1750-61 Std Only	DESCRIPTION 1.5695" OD, 1.2190" ID, .3170" Depth 1.7570" OD, 1.4450" ID, .3100" Depth
	QTY 24	VALVE, MISC Keeper	YEARS 90-88	PART NO. VK-232	DESCRIPTION
	QTY 6 6 1	PISTON Cast Piston Cast Piston - Individual Cast Piston Set w/Prem. Rings	YEARS 90-88 90-88 90-88	PART NO. H834CP Std-.50-.75-1.00-1.50MM WH834CP Std-.50-.75-1.00-1.50MM 6KH834CP Std-.50-.75-1.00MM	DESCRIPTION Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	QTY 1 1 6	RINGS Premium Set Standard Set Premium Single Cylinder Set	YEARS 90-88 90-88 90-88	PART NO. E-528KC Std-.50-.75-1.00MM E-528X Std-.50-.75-1.00MM WE-528KC Std-.50-.75-1.00MM	DESCRIPTION 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM
	QTY 1 1 1	ENGINE BEARINGS Main Set Thrust Washer Set Rod Set	YEARS 90-88 90-88 90-88	PART NO. 7090M Std-.25-.50-.75MM 1736AF Std Only 6-1735CP Std-.25-.50-.75MM	DESCRIPTION Position 3
	QTY 1 1 1	OIL PUMP Oil Pump Pump Repair Kit Screen Assy.	YEARS 90-88 90-88 90-88	PART NO. 224-42000 224-51385 224-15048	DESCRIPTION VIN Code "3" VIN Code "3" VIN Code "3"
	QTY 1 1	GASKETS Kit Gasket Set Head Bolt Set	YEARS 90-88 90-88	PART NO. 260-1432 260-2516	DESCRIPTION Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl. Replacement recommended
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 90-88	PART NO. 381-8090	DESCRIPTION Eng. Code "6G72"

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

23 3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-88
(cont.) VIN Codes "H" 1993-96, "S" 1990-92, "3" 1988-95, Eng. Code "6G72" 1988-96

K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-88	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6102 205-6102M	205-1102 205-1102M
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	VIN Code "3"; Head bolts not incl.; Freeze plugs not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6329A MK-6329A 505-6329A	MKP-1329A MK-1329A 505-1329A
	90-88	Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block	BK-6254	----
	90-88	VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block w/Pump & Freeze Plugs	BKP-6254	----

24 3.2L 198 OHV L6, 3.4063" Bore 1974-70
VIN Code "B" 1970-74

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	74-70	KT3-495SA	Incl. (1) KT3-495SA
	1	Timing Chain	74-70	222-495	Silent type; 50 Links
	1	Crank Sprocket	74-70	223-291	Use w/silent type chain; 19 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	74-70	CS-380	
	12	Lifter	74-70	AT-2084 Std Only	Dumbbell shaped mech.
	12	Lifter, Bulk	74-70	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
	1	Prelube	74-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	74-70	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	74-70	RP-3036	9.9540" O.A.L.
	12	Push Rod, Bulk	74-70	BRP-3036	Carton of 100; 9.9540" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	74-70	RS-620	
	12	Adj. Screw	74-70	MR-1933	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	74-70	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	74-70	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Intake	74-70	V-1434 Std Only	2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	74-70	VG-5087	Exh. & Int.; Bronze; .3740" ID, 2.5000" O.A.L.
	6	Guide	74-70	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	74-70	VS-510	2.0000" Free Height
	12	Spring, Bulk	74-70	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	74-70	ST-2004	Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	6	Valve Stem Seal	74-70	MV-1918	Exh.; Umbrella type; Viton®
	6	Valve Stem Seal	74-70	MV-1771C	Int.; Umbrella type; Polyacrylate
	6	Valve Stem Seal Bulk	74-70	ST-2004BC	Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	6	Valve Stem Seal Bulk	74-70	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	74-70	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth
	6	Int.	74-70	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	74-70	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	74-70	VK-174	Exh.; 4 groove
	12	Keeper	74-70	VK-174R	Exh.; 4 groove; Hardened
	12	Keeper	74-70	VK-66	Int.; 2 groove
	12	Keeper	74-70	VK-66R	Int.; 2 groove; Hardened
	12	Spring Insert	74-70	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	74-70	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	74-70	259-103BRS	.030"; ID 1.030"; Carton of 500

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

3.2L 198 OHV L6, 3.4063" Bore 1974-70 **24**

VIN Code "B" 1970-74 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
12	Spring Insert	74-70	259-103A	.060"; ID 1.030"; Carton of 100	
12	Spring Insert	74-70	259-103ARS	.060"; ID 1.030"; Carton of 500	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	74-70	244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
	6	Cast Piston - Individual	74-70	W244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	74-70	E-196K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	74-70	E-196X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	74-70	WE-196K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	74-70	WE-196X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-70	4092M Std-10-20-30	
	1	Rod Set	74-70	6-2375CP Std-10-20-30-40	6-2375CA 60 avail. as unplated & resizeable
	6	Rod Pair	74-70	2375CP Std-10-20-30-40	
	1	Cam Set	74-70	1454M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	74-70	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump
	1	Oil Pump	74-70	224-4165V	High Volume; Will replace 5 bolt pump
	1	Screen Assy.	74-72	224-14157	Dart, Duster, Valiant
	1	Screen Assy.	71	224-14157	Barracuda, Dart, Duster, Valiant
	1	Screen Assy.	70	224-14157	Dart, Duster, Valiant
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	74-70	260-1004	Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	74-70	381-8012	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	74-70	Premium valve stem seals incl.	Re-ring	205-602	205-102
			Re-ring w/Mains	205-602M	205-102M
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	74-70	Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master	MKP-602A	MKP-102A
			Master w/o Pistons	MK-602A	MK-102A
	74-70	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A

3.3L 201 (3302cc) OHV V6 (12 Valve), 93mm Bore 1990 **25**

VIN Codes "R" 1990-93, "T" 1993-97, "U" 1994-96 (Flex Fuel)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90	KT3-388S	Incl. (1) 222-388, (1) 223-715, (1) 223-788
	1	Timing Chain	90	222-388	VIN Codes "R" & "T"; 64 Links
	1	Crank Sprocket	90	223-715	20 Teeth
	1	Cam Sprocket	90	223-788	VIN Codes "R" & "T"; 40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90	CS-1503	VIN Code "R"
	12	Lifter	90	HT-2269 Std Only	Hyd. rlr.
	12	Lifter, Bulk	90	HT-2269B Std Only	Hyd. rlr.; Carton of 117
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90	KC-1503	VIN Code "R"; Hyd. rlr.; Incl. (1) CS-1503, (12) HT-2269, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90	RP-3279	5.1160" O.A.L.
	12	Push Rod, Bulk	90	BRP-3279	Carton of 100; 5.1160" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	90	R-1094	
	2	Rocker Shaft	90	RS-725	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90	V-2558 Std Only	Chrome plated stem; 1.4760" Head Dia., .3116" Stem Dia., 4.9740" O.A.L.
	6	Intake	90	V-2557 Std Only	Chrome plated stem; 1.7913" Head Dia., .3127" Stem Dia., 4.9490" O.A.L.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

25 3.3L 201 (3302cc) OHV V6 (12 Valve), 93mm Bore 1990 (cont.) VIN Codes "R" 1990-93, "T" 1993-97, "U" 1994-96 (Flex Fuel)						
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	90	VG-910	.3155" ID, 2.2750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	90	VS-1458	Exh. & Int.; 1.9000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	90	MV-1919	Umbrella type; Viton®	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	90	245-1562-74	Std Only	1.5695" OD, 1.2900" ID, .3240" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	12	Keeper	90	VK-225	Exh.; 4 groove	
	12	Spring Insert	90	259-820B	.030"; Case hardened; Carton of 48	
	BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6		Cast Piston	90	574CP	Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.241" CD, .9011" Pin Dia., Recessed Head .094" deep - 8.9:1 C.R.; DurOshield® skirt coated piston
6		Cast Piston - Individual	90	W574CP	Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.241" CD, .9011" Pin Dia., Recessed Head .094" deep - 8.9:1 C.R.; DurOshield® skirt coated piston
QTY		RINGS	YEARS	PART NO.	DESCRIPTION	
1		Premium Set	90	E-529K	Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM
6		Premium Single Cylinder Set	90	WE-529K	Std-.50-.75MM	2-1.50MM, 1-3.00MM
QTY		ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1		Main Set	90	7278MA	Std-.25-.50-.75MM	A-Series aluminum bearings
1		Rod Set	90	6-1920RA	Std-.25-.50-.75MM	A-Series aluminum bearings
6		Rod Pair	90	1920RA	Std-.25-.50MM	A-Series aluminum bearings
1		Cam Set	90	1809M	Std Only	
1		Cam Set	90	1894M	Std Only	Spec. oil control set
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Pump Repair Kit	90	224-51384			
1	Screen Assy.	90	224-15051	VIN Code "R"		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1646	Int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
1	Valley Pan Gasket Set	90	260-4030	Upper set incl.		
1	Head Bolt Set	90	260-2520	Replacement recommended		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90	381-8060			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Head bolts not incl.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Re-ring	205-6206A
					Re-ring w/Mains	205-6206AM
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	VIN Code "R"; Head bolts not incl.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings			Master	MKP-6206A
					Master w/o Pistons	MK-6206A
	90	VIN Code "R"; Head bolts not incl.; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Master w/o Rods & Mains	505-6206A
	90	Int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			Block	BK-6228
26 3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.25" Bore 1953-46						
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Cast Piston	53-46	37P	Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
	6	Cast Piston - Individual	53-46	W37P	Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
	6	Pin Bushing	53-46	8649XAS	Full round, thin wall .0055" O/S OD bushing	
	6	Pin Bushing	53-46	8649XA	Full round, thin wall bushing w/.9150" OD	
	6	Pin Bushing	53-46	8649V	Split type, thin wall bushing w/.9135" OD	
	6	Pin Bushing	53-46	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
BLOCK						

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.25" Bore 1953-46 **26**
(cont.)

B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	53-46	E-108KC Std-30-60	2-3/32, 2-5/32	
	1	Standard Set	53-46	E-108X Std-30-40-60	2-3/32, 2-5/32	
	6	Standard Single Cylinder Set	53-46	WE-108X Std-30	2-3/32, 2-5/32	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	53-46	415M Std-10-20-30-40	w/M/T	
	1	Rod Set	53-46	6-9185CP Std-10-20-30-40		
	6	Rod Pair	53-46	9185CP Std-10-20-30-40		
	1	Cam Set	53-46	1010M Std Only		

VIN Codes "B" 1966-69, "C" 1966-80, "D" 1977-80, "E" 1972 & 1981-82, "F" 1981-82, "G" 1981-82, "H" 1981-83, "J" 1983, "K" 1983, "L" 1983 **27**

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	83-60	KT3-495SA	Incl. (1) KT3-495SA	
	1	Timing Chain	83-60	222-495	Silent type; 50 Links	
	1	Crank Sprocket	83-60	223-291	Use w/silent type chain; 19 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	83-81	CS-709		
	1	Camshaft	80-60	CS-380		
	12	Lifter	83-81	HT-2089 Std Only	Hyd.	
	12	Lifter	80-60	AT-2084 Std Only	Dumbbell shaped mech.	
	12	Lifter, Bulk	83-81	HT-2089B Std Only	Hyd.; Carton of 117	
	12	Lifter, Bulk	80-60	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117	
	1	Prelube	83-60	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	83-81	KC-709	Hyd.; Incl. (1) CS-709, (12) HT-2089, (1) 55-403B	
	1	Cam/Lifter Kit	80-60	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	83-81	RP-3208	9.9850" O.A.L.	
	12	Push Rod	80-60	RP-3036	w/Mech. lifters; 9.9540" O.A.L.	
	12	Push Rod, Bulk	83-81	BRP-3208	Carton of 100; 9.9850" O.A.L.	
	12	Push Rod, Bulk	80-60	BRP-3036	w/Mech. lifters; Carton of 100; 9.9540" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm	83-81	R-893		
	12	Arm, Bulk	83-81	R-893B	Carton of 64	
	1	Rocker Shaft	80-60	RS-620		
	12	Adj. Screw	80-60	MR-1933		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	83-60	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.	
	6	Exhaust, Bulk	83-60	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.	
	6	Intake	83-60	V-1434 Std Only	2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	83-60	VG-5087	Exh. & Int.; Bronze; .3740" ID, 2.5000" O.A.L.	
	6	Guide	83-60	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	83-60	VS-510	2.0000" Free Height	
	12	Spring, Bulk	83-60	VS-510B	Carton of 250; 2.0000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	6	Valve Stem Seal	83-82	ST-2004	Exh.; Positive type; Installation requires valve guide machining; Rubber/PTFE	
	6	Valve Stem Seal	83-82	ST-2048	Int.; Positive type; Viton®	
	12	Valve Stem Seal	81-60	ST-2004	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE	
	6	Valve Stem Seal	81-65	MV-1771C	Int.; Umbrella type; Polyacrylate	
	6	Valve Stem Seal	80-78	MV-1918	Exh.; Umbrella type; Viton®	
	6	Valve Stem Seal	77-65	MV-1918	Exh.; Umbrella type; Viton®	
	6	Valve Stem Seal Bulk	83-82	ST-2004BC	Exh.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	6	Valve Stem Seal Bulk	81-65	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
	12	Valve Stem Seal Bulk	81-60	ST-2004BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	83-60	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth	
	6	Int.	83-60	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

27 3.7L 225 OHV L6, 3.4063" Bore 1983-60

(cont.) VIN Codes "B" 1966-69, "C" 1966-80, "D" 1977-80, "E" 1972 & 1981-82, "F" 1981-82, "G" 1981-82, "H" 1981-83, "J" 1983, "K" 1983, "L" 1983

QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
6	Int.	83-60	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
12	Keeper	83-60	VK-174	Exh.; 4 groove
12	Keeper	83-60	VK-174R	Exh.; 4 groove; Hardened
12	Keeper	83-60	VK-66	Int.; 2 groove
12	Keeper	83-60	VK-66R	Int.; 2 groove; Hardened
12	Spring Insert	83-60	259-103C	.015"; ID 1.030"; Carton of 100
12	Spring Insert	83-60	259-103B	.030"; ID 1.030"; Carton of 100
12	Spring Insert	83-60	259-103BRS	.030"; ID 1.030"; Carton of 500
12	Spring Insert	83-60	259-103A	.060"; ID 1.030"; Carton of 100
12	Spring Insert	83-60	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	83-60	244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
6	Cast Piston - Individual	83-60	W244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
6	Pin Bushing	83-60	2134Y	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	83-60	E-196K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	83-60	E-196X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	83-60	WE-196K Std-20-30-40-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	83-60	WE-196X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	83-76	5070M Std-10-20-30-40	
1	Main Set	76-60	4092M Std-10-20-30	w/Forged crankshaft
1	Rod Set	83-77	6-3695RA Std-10-20-30-40	A-Series aluminum bearings
1	Rod Set	76	6-3695RA Std-10-20-30-40	w/Cast crankshaft; A-Series aluminum bearings
1	Rod Set	76	6-2375CP Std-10-20-30-40	w/Forged crankshaft; 6-2375CA 60 avail. as unplated & resizeable
1	Rod Set	75-60	6-2375CP Std-10-20-30-40	6-2375CA 60 avail. as unplated & resizeable
6	Rod Pair	83-77	3695RA Std-1-10-20-30-40	A-Series aluminum bearings
6	Rod Pair	76	3695RA Std-1-10-20-30-40	w/Cast crankshaft; A-Series aluminum bearings
6	Rod Pair	76	2375CP Std-10-20-30-40	w/Forged crankshaft
6	Rod Pair	75-60	2375CP Std-10-20-30-40	
1	Cam Set	83-79	1473M Std Only	
1	Cam Set	78-60	1454M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	83-60	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump
1	Oil Pump	83-60	224-4165V	High Volume; Will replace 5 bolt pump
1	Screen Assy.	83-60	224-14157	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	83-81	260-1038	Premium valve stem seals incl.
1	Kit Gasket Set	80-63	260-1004	Premium valve stem seals incl.
1	Kit Gasket Set	62-61	260-1004	w/1 Bbl. Carb.; Premium valve stem seals incl.
1	Kit Gasket Set	60	260-1004	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	83-60	381-8012	
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
83-81	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.		205-604	205-104
			205-604M	205-104M
80-77	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.		205-603	205-103
			205-603M	205-103M
76	w/Forged crankshaft; Premium valve stem seals incl.		205-602	205-102
			205-602M	205-102M
76	w/Cast crankshaft; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.		205-603	205-103
			205-603M	205-103M
75-63	w/Forged crankshaft; Premium valve stem seals incl.		205-602M	205-102M
75-63	Premium valve stem seals incl.		205-602	205-102
62-61	w/1 Bbl. Carb.; w/Forged crankshaft; Premium valve stem seals incl.		205-602M	205-102M
62-61	w/1 Bbl. Carb.; Premium valve stem seals incl.		205-602	205-102
60	w/Forged crankshaft; Premium valve stem seals incl.		205-602M	205-102M

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

3.7L 225 OHV L6, 3.4063" Bore 1983-60 27

VIN Codes "B" 1966-69, "C" 1966-80, "D" 1977-80, "E" 1972 & 1981-82, "F" 1981-82, "G" 1981-82, "H" (cont.) 1981-83, "J" 1983, "K" 1983, "L" 1983

KITS	RE-RING KIT (cont.)		RE-RING	PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	60	Premium valve stem seals incl.	Re-ring	205-602	205-102
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	83-81	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-604A MK-604A	MKP-104A MK-104A
	83-81	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-604A	505-104A
	80-79	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603C MK-603C	MKP-103C MK-103C
	80-79	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-603C	505-103C
	78-77	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	78-77	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603A MK-603A	MKP-103A MK-103A
	76	w/Forged crankshaft; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	76	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	76	w/Cast crankshaft; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603A MK-603A	MKP-103A MK-103A
	75-63	w/Forged crankshaft; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	75-63	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	62-61	w/1 Bbl. Carb.; w/Forged crankshaft; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	62-61	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	60	w/Forged crankshaft; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	60	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A

3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore 1959-46 28

VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	59-46	V-1351 Std Only	1.4070" Head Dia., .3405" Stem Dia., 4.8410" O.A.L.
	6	Intake	59-46	V-1086 Std Only	1.5310" Head Dia., .3405" Stem Dia., 4.8450" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	59-46	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.
	6	Guide	59-46	VG-420	Int.; .3425" ID, 2.8130" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	59-46	VS-304	w/o Rotocaps; 2.0000" Free Height
	12	Spring	59-46	VS-506	Use w/Rotocaps; 1.8570" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	59-58	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	59-58	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	59-46	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	6	Int.	59-46	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

28 3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore 1959-46 (cont.)					
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	59-46	VK-63	2 groove; Round key groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	59-46	37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
	6	Cast Piston - Individual	59-46	W37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
	6	Pin Bushing	59-56	1904V	Split type bushing
	6	Pin Bushing	59-46	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	59-46	8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing	59-46	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	59-46	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
BLOCK	6	Pin Bushing	55	1904V	From Ser. No. 17001; Split type bushing
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	59-46	E-108KC Std-30-60	2-3/32, 2-5/32
	1	Standard Set	59-46	E-108X Std-30-40-60	2-3/32, 2-5/32
	6	Standard Single Cylinder Set	59-46	WE-108X Std-30	2-3/32, 2-5/32
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	59-46	SL-123M Std Only	3/32" wall, cut to length; Press fit sleeve
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	59-46	415M Std-10-20-30-40	w/M/T
	1	Rod Set	59-46	6-9185CP Std-10-20-30-40	
VALVE TRAIN	6	Rod Pair	59-46	9185CP Std-10-20-30-40	
	1	Cam Set	59-46	1010M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	59-46	224-4160	w/rotor pump; w/Ext. drive gear; Rotor type
29 3.9L 236.6 L-HEAD L6 (DeSoto), 3.4375" Bore 1950-46					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	50-46	222-401	48 Links
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	50-49	V-1004 Std Only	1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Exhaust	48	V-1004 Std Only	Chrysler; From Ser. No. 175886; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Exhaust	48	V-1004 Std Only	Dodge; From Ser. No. 18448; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Intake	50-46	V-1005 Std Only	1.7180" Head Dia., .3410" Stem Dia., 4.8450" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	50-46	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.
	6	Guide	50-46	VG-420	Int.; .3425" ID, 2.8130" O.A.L.
BLOCK	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	6	Spring	50-46	VS-304	w/o Rotocaps; 2.0000" Free Height
	6	Spring	50-46	VS-506	Use w/Rotocaps; 1.8570" Free Height
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	50-46	VK-63	2 groove; Round key groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	50-46	32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Cast Piston - Individual	50-46	W32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Pin Bushing	50-46	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	50-46	8649XA	Full round, thin wall bushing w/.9150" OD
BLOCK	6	Pin Bushing	50-46	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	50-46	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	50-46	E-107X Std-30-40-60	2-3/32, 2-5/32
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	50-46	485M Std-10-20-30-40	
	6	Rod Pair	50-46	9560CPA Std-10-20-30-40-50	
	1	Cam Set	50-46	1011M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	50-46	224-4160	Rotor type

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

4.0L 241.4 OHV V8 (Dodge), 3.4375" Bore 1955-53 30					
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	55-53	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	55-53	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	55	VS-510	2.0000" Free Height
	16	Spring, Bulk	55	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	55	VK-174	Exh. & Int.; 4 groove	
16	Keeper	55	VK-174R	Exh. & Int.; 4 groove; Hardened	
16	Keeper	54-53	VK-174	Exh.; 4 groove	
16	Keeper	54-53	VK-174R	Exh.; 4 groove; Hardened	
16	Keeper	54-53	VK-66	Int.; 2 groove	
16	Keeper	54-53	VK-66R	Int.; 2 groove; Hardened	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
8	Repair Sleeve	55-53	SL-14M Std Only	3/32" wall, must be cut to correct length	
4.1L 251 L-HEAD L6 (Chrysler), 3.4375" Bore 1954-46 31					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	54-46	222-401	48 Links
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	54-49	V-1004 Std Only	1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Exhaust	48	V-1004 Std Only	Chrysler; From Ser. No. 175886; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Exhaust	48	V-1004 Std Only	Dodge; From Ser. No. 18448; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Intake	54-46	V-1005 Std Only	1.7180" Head Dia., .3410" Stem Dia., 4.8450" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	54-46	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.
	6	Guide	54-46	VG-420	Int.; .3425" ID, 2.8130" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
6	Spring	54-46	VS-304	w/o Rotocaps; 2.0000" Free Height	
6	Spring	54-46	VS-506	Use w/Rotocaps; 1.8570" Free Height	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	54-46	VK-63	2 groove; Round key groove	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	54-46	32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Cast Piston - Individual	54-46	W32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Pin Bushing	54-46	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	54-46	8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing	54-46	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	54-46	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	54-46	E-107X Std-30-40-60	2-3/32, 2-5/32
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	54-46	485M Std-10-20-30-40		
6	Rod Pair	54-46	9560CPA Std-10-20-30-40-50		
1	Cam Set	54-46	1011M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	54-46	224-4160	Rotor type	
4.3L 260 OHV V8 (Plymouth), 3.5625" Bore 1955 32					
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	55	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	55	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	55	VS-510	2.0000" Free Height
	16	Spring, Bulk	55	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55	ST-2002	Installation requires valve guide machining; Polyacrylate

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

32 4.3L 260 OHV V8 (Plymouth), 3.5625" Bore 1955 (cont.)					
QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal Bulk	55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	55	VK-174	4 groove	
32	Keeper	55	VK-174R	4 groove; Hardened	
33 4.3L 265 L-HEAD L6 (Chrysler), 3.4375" Bore 1954-52					
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust	54-52	V-1004 Std Only	1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.	
6	Intake	54-52	V-1005 Std Only	1.7180" Head Dia., .3410" Stem Dia., 4.8450" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide	54-52	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.	
6	Guide	54-52	VG-420	Int.; .3425" ID, 2.8130" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	54-52	VS-304	w/o Rotocaps; 2.0000" Free Height	
12	Spring	54-52	VS-506	Use w/Rotocaps; 1.8570" Free Height	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	54-52	VK-63	2 groove; Round key groove	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	54-52	32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
6	Cast Piston - Individual	54-52	W32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
6	Pin Bushing	54-52	8649XAS	Full round, thin wall .0055" O/S OD bushing	
6	Pin Bushing	54-52	8649XA	Full round, thin wall bushing w/.9150" OD	
6	Pin Bushing	54-52	8649V	Split type, thin wall bushing w/.9135" OD	
6	Pin Bushing	54-52	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	54-52	E-107X Std-30-40-60	2-3/32, 2-5/32	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	54-52	485M Std-10-20-30-40		
6	Rod Pair	54-52	9560CPA Std-10-20-30-40-50		
1	Cam Set	54-52	1011M Std Only		
34 4.4L 270 OHV V8 (Dodge/Plymouth), 3.625" Bore 1956-55					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Chain	56-55	222-348	Silent type; 68 Links	
1	Crank Sprocket	56-55	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth	
1	Cam Sprocket	56	223-273	46 Teeth	
1	Cam Sprocket	55	223-273	Exc. Custom & Coronet; 46 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
16	Lifter	56-55	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
16	Lifter, Bulk	56-55	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	56-55	ST-2002	Installation requires valve guide machining; Polyacrylate	
8	Valve Stem Seal	56	MV-1771C	Int.; Umbrella type; Polyacrylate	
8	Valve Stem Seal Bulk	56	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
16	Valve Stem Seal Bulk	56-55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	56-55	VK-66	2 groove	
16	Keeper	56-55	VK-66R	2 groove; Hardened	
16	Keeper	56-55	VK-174	4 groove	
16	Keeper	56-55	VK-174R	4 groove; Hardened	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
8	Pin Bushing	56-55	1904V	Split type bushing	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	56-55	E-239K Std-30-60	2-5/64, 1-3/16	
1	Standard Set	56-55	E-239X Std-30-40	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	56-55	WE-239X Std-30	2-5/64, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
8	Repair Sleeve	56-55	SL-17M Std Only	3/32" wall, must be cut to correct length & notched	

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

4.5L 273 OHV V8, 3.625" Bore 1969-64 **35**
VIN Code "D" 1966-69

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	69-65	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
	1	Timing Set w/Gaskets	69-65	CTS-3000	Incl. silent type chain
	1	Timing Chain	69-65	222-361	Silent type; 68 Links
	1	Crank Sprocket	69-65	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
	1	Cam Sprocket	69-65	223-358	Use w/silent type chain; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69-68	CS-645	Hyd.
	16	Lifter	69-68	HT-2011 Std Only	Barrel shaped mech.
	16	Lifter	67-64	AT-937 Std Only	Dumbbell shaped mech.
	16	Lifter	67-64	AT-2084 Std Only	Hyd.; Carton of 117
	16	Lifter, Bulk	69-68	HT-2011B Std Only	Barrel shaped mech.; Carton of 117
	16	Lifter, Bulk	67-64	AT-937B Std Only	Dumbbell shaped mech.; Carton of 117
	16	Lifter, Bulk	67-64	AT-2084B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube	69-68	55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-68	KC-645	Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69-68	KCT-645	Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	69-68	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod	67-65	RP-3219R100	Ball & socket type ends; Chrome-Moly; 7.3900" O.A.L.
	16	Push Rod	67-65	RP-3107	7.6580" O.A.L.
	16	Push Rod, Bulk	69-68	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	69-68	R-861	L.H.
	8	Arm	69-68	R-862	R.H.
	8	Arm, Bulk	69-68	R-861B	L.H.; Carton of 64
	8	Arm, Bulk	69-68	R-862B	R.H.; Carton of 64
	2	Rocker Shaft	69-68	RS-626	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-65	V-2029 Std-5-15	4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust, Bulk	69-65	V-2029B15 15	4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Intake	69-65	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
	8	Intake, Bulk	69-65	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-64	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-65	VS-510	2.0000" Free Height
	16	Spring, Bulk	69-65	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-65	ST-2002	Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	69-65	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	8	Valve Stem Seal	69-65	MV-1771C	Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	69-65	ST-2002BC	Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	69-65	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	8	Valve Stem Seal Bulk	69-65	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-65	245-1625-2N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2480" Depth
	8	Exh.	69-65	245-1625-2 Std Only	1.6300" OD, 1.3750" ID, .2480" Depth
	8	Int.	69-65	245-1812-1N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
	8	Int.	69-65	245-1812-1 Std Only	1.8175" OD, 1.5625" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	69-65	VK-174	Exh.; 4 groove
	16	Keeper	69-65	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	69-65	VK-66	Int.; 2 groove
	16	Keeper	69-65	VK-66R	Int.; 2 groove; Hardened
	16	Spring Insert	69-65	259-102C	.015"; Carton of 100
	16	Spring Insert	69-65	259-102B	.030"; Carton of 100

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

35 4.5L 273 OHV V8, 3.625" Bore 1969-64

(cont.) VIN Code "D" 1966-69

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
16	Spring Insert	69-65	259-102A	.060"; Carton of 100
16	Spring Insert	69-65	259-102ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	69-64	322NP30 30-40-60	w/2 Bbl. Carb.; w/Mech. lifters; Cast; 2-5/64", 1-3/16" Ring Groove, 1.768" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 8.8:1 C.R.
8	Cast Piston - Individual	69-64	W322NP30 30-40-60	w/2 Bbl. Carb.; w/Mech. lifters; Cast; 2-5/64", 1-3/16" Ring Groove, 1.768" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 8.8:1 C.R.
8	Pin Bushing	69-64	2134Y	w/.020" extra bore stock
8	Pin Bushing	69-64	2134Y20	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	69-64	E-239K Std-30-60	2-5/64, 1-3/16
1	Standard Set	69-64	E-239X Std-30-40	2-5/64, 1-3/16
8	Standard Single Cylinder Set	69-64	WE-239X Std-30	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	69-65	SL-17M Std Only	3/32" wall, must be cut to correct length & notched
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-64	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set	69-64	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
1	Rod Set	69-64	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
1	Rod Set	69-64	8-2130CA60 60	Unplated & resizeable
8	Rod Pair	69-64	2130CP Std-1-2-10-20-30-40-50	
1	Cam Set	69-64	1484M Std Only	.760" length ctr. brg.
1	Cam Set	69-64	1451M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	69-65	224-4166	High Volume, check pan for clearance
1	Oil Pump	69-65	224-4166V	
1	Inter. Shaft	69-65	224-6166	
1	Screen Assy.	69-65	224-1166	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	69-66	260-1153	Premium valve stem seals incl.
1	Kit Gasket Set	65-64	260-1153	Int. manifold gskt. not incl.; Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	69-65	381-8010	
1	Steel Block Plug Kit	69-65	381-4014	

36 4.5L 276 OHV V8 (DeSoto), 3.625" Bore 1954-52

QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	54-52	E-239K Std-30-60	2-5/64, 1-3/16
1	Standard Set	54-52	E-239X Std-30-40	2-5/64, 1-3/16
8	Standard Single Cylinder Set	54-52	WE-239X Std-30	2-5/64, 1-3/16

37 4.5L 277 OHV V8 (Plymouth), 3.75" Bore 1957-52

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	57-52	222-348	Silent type; 68 Links
1	Crank Sprocket	57-52	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	57-56	CS-198	Dumbbell shaped mech.
16	Lifter	57-56	AT-2084 Std Only	
16	Lifter	54-53	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter, Bulk	57-56	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
16	Lifter, Bulk	54-53	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
1	Prelube	57-56	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	57-56	RP-3030	Ball & cup type ends; .360" dia. ball at one end; 8.7350" O.A.L.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	57-56	V-1343 Std Only	4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
8	Intake	57-56	V-1344 Std Only	2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	57-56	VG-5062	Exh.; .3735" ID, 2.3800" O.A.L.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

4.5L 277 OHV V8 (Plymouth), 3.75" Bore 1957-52 **37**
(cont.)

VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Guide	57-56	VG-5033	Int.; .3735" ID, 2.6200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	57-56	VS-510	2.0000" Free Height
	16	Spring, Bulk	57-56	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	57-56	ST-2002	Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	57	MV-1771C	Int.; Umbrella type; Polyacrylate
	8	Valve Stem Seal Bulk	57	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	57-56	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	57-56	VK-174	Exh.; 4 groove
	16	Keeper	57-56	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	57-56	VK-66	Int.; 2 groove
	16	Keeper	57-56	VK-66R	Int.; 2 groove; Hardened
	16	Keeper	54-52	VK-174	Exh.; 4 groove
	16	Keeper	54-52	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	54-52	VK-66	Int.; 2 groove
	16	Keeper	54-52	VK-66R	Int.; 2 groove; Hardened
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Pin Bushing	57-56	2134Y	w/.020" extra bore stock
	8	Pin Bushing	57-56	2134Y20	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	57-56	E-240K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	57-56	E-240X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	57-56	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	57-56	WE-240X Std-30-40-60	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	57-56	SL-19M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Main Set	57-56	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	57-56	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	57-56	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	57-56	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	57-56	2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set	57-56	1484M Std Only	
	1	Cam Set	57-56	1451M Std Only	.760" length ctr. brg.

4.9L 301 OHV V8 (Chrysler), 3.625" Bore 1955 **38**

	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	55	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	55	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	55	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	55	VS-510	2.0000" Free Height
	16	Spring, Bulk	55	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	55	VK-174	4 groove
	32	Keeper	55	VK-174R	4 groove; Hardened
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	55	E-239K Std-30-60	2-5/64, 1-3/16
	1	Standard Set	55	E-239X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	55	WE-239X Std-30	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	55	SL-17M Std Only	3/32" wall, must be cut to correct length & notched

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

39 4.9L 301 OHV V8 (Chrysler), 3.625" Bore 1955					
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	55	CS-198	Exc. Eng. w/Power Pkg.
	16	Lifter	55	AT-937 Std Only	Barrel shaped mech.
	16	Lifter	55	AT-2084 Std Only	Dumbbell shaped mech.
	16	Lifter, Bulk	55	AT-937B Std Only	Barrel shaped mech.; Carton of 117
	16	Lifter, Bulk	55	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
	1	Prelube	55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	55	RP-3030	Ball & cup type ends; .360" dia. ball at one end; 8.7350" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exhaust	55	V-1343 Std Only	4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Intake	55	V-1344 Std Only	2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	55	VG-5033	Int.; .3735" ID, 2.6200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	55	VS-510	2.0000" Free Height
	16	Spring, Bulk	55	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55	ST-2002	Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	55	MV-1771C	Int.; Umbrella type; Polyacrylate
VALVE TRAIN	16	Valve Stem Seal Bulk	55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	55	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	55	VK-174	Exh.; 4 groove
	16	Keeper	55	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	55	VK-66	Int.; 2 groove
	16	Keeper	55	VK-66R	Int.; 2 groove; Hardened
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	55	2134Y	
	8	Pin Bushing	55	2134Y20	w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	55	E-178K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	55	E-178X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	55	WE-178K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	55	WE-178X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	55	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
BLOCK	1	Rod Set	55	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	55	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	55	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	55	2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set	55	1484M Std Only	
	1	Cam Set	55	1451M Std Only	.760" length ctr. brg.
40 5.0L 303 OHV V8 (Plymouth), 3.8125" Bore 1958-56					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	56	AT-937 Std Only	Barrel shaped mech.
	16	Lifter, Bulk	56	AT-937B Std Only	Barrel shaped mech.; Carton of 117
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	58-56	VG-5062	Exh.; Plain; .3735" ID, 2.3800" O.A.L.
	8	Guide	58-56	VG-5033	Int.; Plain; .3735" ID, 2.6200" O.A.L.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	58-56	2134Y	
	8	Pin Bushing	58-56	2134Y20	w/.020" extra bore stock
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Main Set	58-56	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	58-56	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	58-56	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	58-56	8-2130CA60 60	Unplated & resizeable

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.0L 303 OHV V8 (Plymouth), 3.8125" Bore 1958-56 40				
(cont.)				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
8	Rod Pair	58-56	2130CP	Std-1-2-10-20-30-40-50
1	Cam Set	58-56	1484M	Std Only
1	Cam Set	58-56	1451M	Std Only .760" length ctr. brg.
5.1L 313 OHV V8 (Plymouth), 3.875" Bore 1966-57 41				
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Pin Bushing	66-57	2134Y	
8	Pin Bushing	66-57	2134Y20	w/.020" extra bore stock
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	66-57	4923MA	Std-1-10-20-30-40-50-60 A-Series aluminum bearings
1	Rod Set	66-57	8-2130CP10X2	10X2-20X2 Use in .002" O/S Rod Bore
1	Rod Set	66-57	8-2130CP	Std-1-10-20-30-40-50 8-2130CA 60 avail. as unplated & resizeable
1	Rod Set	66-57	8-2130CA60	60 Unplated & resizeable
8	Rod Pair	66-57	2130CP	Std-1-2-10-20-30-40-50
1	Cam Set	66-57	1484M	Std Only
1	Cam Set	66-57	1451M	Std Only .760" length ctr. brg.
5.2L 315 OHV V8 (Dodge), 3.625" Bore 1956 42				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	56	222-348	Silent type; 68 Links
1	Cam Sprocket	56	223-273	46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	56	HT-812	Std Only Hyd.; 1.830" - 1.860" Length
16	Lifter, Bulk	56	HT-812B	Std Only Hyd.; Carton of 117; 1.830" - 1.860" Length
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	56	VS-510	2.0000" Free Height
16	Spring, Bulk	56	VS-510B	Carton of 250; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	56	ST-2002	Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	56	MV-1771C	Int.; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	56	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	56	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	56	VK-174	4 groove
32	Keeper	56	VK-174R	4 groove; Hardened
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	56	E-239K	Std-30-60 2-5/64, 1-3/16
1	Standard Set	56	E-239X	Std-30-40 2-5/64, 1-3/16
8	Standard Single Cylinder Set	56	WE-239X	Std-30 2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	56	SL-17M	Std Only 3/32" wall, must be cut to correct length & notched
5.2L 318 OHV V8, 3.9063" Bore 1989-57 43				
VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	89	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	89	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	3 Piece Set	88-77	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	88-77	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	3 Piece Set	76-65	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	Timing Set w/Gaskets	89-77	CTS-3002	VIN Codes "H", "N", "P", "R" & "S"; Incl. double rlr. type chain
1	Timing Set w/Gaskets	88-65	CTS-3000	VIN Codes "4", "G", "K", "L" & "M"; Incl. silent type chain
1	Timing Chain	89	222-160	Double rlr.; 68 Links
1	Timing Chain	88-77	222-160	VIN Codes "H", "N", "P", "R" & "S"; Double rlr.; 68 Links
1	Timing Chain	88-77	222-361	VIN Codes "4", "G", "K", "L" & "M"; Silent type; 68 Links

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

43 5.2L 318 OHV V8, 3.9063" Bore 1989-57

(cont.) VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

VALVE
TRAIN

VALVE
TRAIN

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	76-65	222-361	Silent type; 68 Links
1	Timing Chain	64-57	222-348	Silent type; 68 Links
1	Crank Sprocket	89	223-297	Double row; 23 Teeth
1	Crank Sprocket	88-77	223-297	VIN Codes "H", "N", "P", "R" & "S"; Double row; 23 Teeth
1	Crank Sprocket	88-77	223-359	VIN Codes "4", "G", "K", "L" & "M"; Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	76-65	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	64-57	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
1	Cam Sprocket	89	223-402	Double row; 46 Teeth
1	Cam Sprocket	88-77	223-402	VIN Codes "H", "N", "P", "R" & "S"; Double row; 46 Teeth
1	Cam Sprocket	88-77	223-358	VIN Codes "4", "G", "K", "L" & "M"; Use w/silent type chain; 46 Teeth
1	Cam Sprocket	76-65	223-358	Use w/silent type chain; 46 Teeth
1	Cam Sprocket	64-57	223-273	46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	89	CS-645	VIN Code "S"; w/flat lifters
1	Camshaft	89-85	CS-1556	VIN Codes "P" & "4"; Rlr. cam
1	Camshaft	88-86	CS-645	VIN Codes "S" & "Z"; w/flat lifters
1	Camshaft	85	CS-645	VIN Codes "R", "S" & "Z"; w/flat lifters
1	Camshaft	84-67	CS-645	
1	Camshaft	66-57	CS-198	Engs. w/Mech. lifters
16	Lifter	89	HT-2011 Std Only	VIN Code "S"; Hyd.
16	Lifter	89-85	HT-2269 Std Only	VIN Codes "4" & "P"; Hyd. rlr.
16	Lifter	88-86	HT-2011 Std Only	VIN Codes "S" & "Z"; Hyd.
16	Lifter	85	HT-2011 Std Only	VIN Codes "R", "S" & "Z"; Hyd.
16	Lifter	84-68	HT-2011 Std Only	Hyd.
16	Lifter	67	HT-879 Std Only	Hyd.
16	Lifter	66-57	AT-937 Std Only	Barrel shaped mech.
16	Lifter	66-57	AT-2084 Std Only	Dumbbell shaped mech.
16	Lifter, Bulk	89	HT-2011B Std Only	VIN Code "S"; Hyd.; Carton of 117
16	Lifter, Bulk	89-85	HT-2269B Std Only	VIN Codes "4" & "P"; Hyd. rlr.; Carton of 117
16	Lifter, Bulk	88-86	HT-2011B Std Only	VIN Codes "S" & "Z"; Hyd.; Carton of 117
16	Lifter, Bulk	85	HT-2011B Std Only	VIN Codes "R", "S" & "Z"; Hyd.; Carton of 117
16	Lifter, Bulk	84-68	HT-2011B Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	66-57	AT-937B Std Only	Barrel shaped mech.; Carton of 117
16	Lifter, Bulk	66-57	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
1	Prelube	89-57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	89	KC-645	VIN Code "S"; w/flat lifters; Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	89-85	KC-1556	VIN Codes "P" & "4"; Hyd. rlr.; Incl. (1) CS-1556, (16) HT-2269, (1) 55-403B
1	Cam/Lifter Kit	88-86	KC-645	VIN Codes "S" & "Z"; w/flat lifters; Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	85	KC-645	VIN Codes "R", "S" & "Z"; w/flat lifters; Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	84-68	KC-645	Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	89	KCT-645A	VIN Code "S"; w/flat lifters; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	89	KCT-645	VIN Code "S"; w/flat lifters; Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-86	KCT-645A	VIN Codes "S" & "Z"; w/flat lifters; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-86	KCT-645	VIN Codes "S" & "Z"; w/flat lifters; Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-645A	VIN Codes "R", "S" & "Z"; w/flat lifters; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-645	VIN Codes "R", "S" & "Z"; w/flat lifters; Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-77	KCT-645A	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-77	KCT-645	Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-68	KCT-645	Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.2L 318 OHV V8, 3.9063" Bore 1989-57 **43**

VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, (cont.)
"M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	89	RP-3278	w/o Hyd. rlr. lifters; Hole through rod; 7.5230" O.A.L.
16	Push Rod	89	RP-3277	w/Hyd. rlr. lifters; Hole through rod; 6.7400" O.A.L.
16	Push Rod	88-85	RP-3194	w/o Hyd. rlr. lifters; .312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod	88-85	RP-3259	w/Hyd. rlr. lifters; Solid ball; 6.7640" O.A.L.
16	Push Rod	88-67	RP-3336	w/Hyd. lifters; w/adj. rocker arms; 7.2700" O.A.L.
16	Push Rod	84-68	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod	67	RP-3120	.230" dia. ball tapered end; .312" dia. ball opposite end; 7.6040" O.A.L.
16	Push Rod	66-57	RP-3030	Ball & cup type ends; .360" dia. ball at one end; 8.7350" O.A.L.
16	Push Rod, Bulk	89	BRP-3277	w/Hyd. rlr. lifters; Hole through rod; Carton of 100; 6.7400" O.A.L.
16	Push Rod, Bulk	88-85	BRP-3194	w/o Hyd. rlr. lifters; .312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
16	Push Rod, Bulk	88-85	BRP-3259	w/Hyd. rlr. lifters; Solid ball; Carton of 100; 6.7640" O.A.L.
16	Push Rod, Bulk	84-68	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	89	R-1001	L.H.
8	Arm	89	R-1002	R.H.
8	Arm	88-67	R-861	L.H.
8	Arm	88-67	R-862	R.H.
8	Arm, Bulk	88-67	R-861B	L.H.; Carton of 64
8	Arm, Bulk	88-67	R-862B	R.H.; Carton of 64
1	Rocker Shaft	89-67	RS-626	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	89	V-2141 Std Only	VIN Codes "4" & "P"; w/o Rotators; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
8	Exhaust	89	V-3951 Std Only	VIN Codes "4" & "P"; w/Rotators; Chrome plated stem; 2 groove; 1.5170" Head Dia., .3717" Stem Dia., 4.9940" O.A.L.
8	Exhaust	88-83	V-2141 Std Only	VIN Codes "4" & "P"; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
8	Exhaust	82-81	V-2141 Std Only	VIN Codes "K" & "L"; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
8	Exhaust	80	V-2141 Std Only	VIN Code "G"; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
8	Exhaust	79	V-2141 Std Only	Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
8	Exhaust	78-67	V-2029 Std-5-15	4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
8	Exhaust	66-57	V-1343 Std Only	4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
8	Exhaust, Bulk	79-67	V-2029B15 15	4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
8	Intake	89	V-1908 Std-15	VIN Code "S"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	89-83	V-1722 Std-5-15	VIN Codes "4" & "P"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	88-86	V-1908 Std-15	VIN Codes "S" & "Z"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	85-83	V-1908 Std-15	VIN Codes "R", "S" & "Z"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	82-81	V-1722 Std-5-15	VIN Codes "K" & "L"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	82-81	V-1908 Std-15	VIN Codes "M" & "N"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	80	V-1722 Std-5-15	VIN Code "G"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	80	V-1908 Std-15	VIN Code "H"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	79-67	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	66-57	V-1344 Std Only	2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
8	Intake, Bulk	89	V-1908B15 15	VIN Code "S"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	89-83	V-1722B15 15	VIN Codes "4" & "P"; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	88-86	V-1908B15 15	VIN Codes "S" & "Z"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

43 5.2L 318 OHV V8, 3.9063" Bore 1989-57

(cont.) VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

VALVE TRAIN

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Intake, Bulk	85-83	V-1908B15 15	VIN Codes "R", "S" & "Z"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	82-81	V-1722B15 15	VIN Codes "K" & "L"; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	82-81	V-1908B15 15	VIN Codes "M" & "N"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	80	V-1722B15 15	VIN Code "G"; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	80	V-1908B15 15	VIN Code "H"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	79-67	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	89-67	VG-5062	Exh.; .3735" ID, 2.3800" O.A.L.
8	Guide	89-67	VG-5007T	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
8	Guide	89-57	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
8	Guide	66-57	VG-5033	Int.; .3735" ID, 2.6200" O.A.L.
8	Guide, Bulk	89-67	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	89-83	VS-510	VIN Codes "4" & "P"; 2.0000" Free Height
16	Spring	82-81	VS-510	VIN Codes "K" & "L"; 2.0000" Free Height
16	Spring	80-77	VS-510	VIN Code "G"; 2.0000" Free Height
16	Spring	76-57	VS-510	2.0000" Free Height
16	Spring, Bulk	89-83	VS-510B	VIN Codes "4" & "P"; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	82-81	VS-510B	VIN Codes "K" & "L"; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	80-77	VS-510B	VIN Code "G"; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	76-57	VS-510B	Carton of 250; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	89-79	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	89-79	ST-2048	Int.; Positive type; Viton®
16	Valve Stem Seal	88-79	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
16	Valve Stem Seal	78	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	78	ST-2014	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
8	Valve Stem Seal	78	ST-2048	Int.; VIN Code "G"; O.E. design; Positive type; Viton®
16	Valve Stem Seal	77-73	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	77-73	ST-2014	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
8	Valve Stem Seal	77-73	ST-2048	Int.; O.E. design; Positive type; Viton®
16	Valve Stem Seal	72-57	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	72-57	ST-2014	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
8	Valve Stem Seal	89-79	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	78	MV-1918	Exh.; VIN Code "G"; Umbrella type; Viton®
8	Valve Stem Seal	78	MV-1771C	Exh.; VIN Code "H"; Umbrella type; Polyacrylate
8	Valve Stem Seal	77-75	MV-1918	Exh.; Exc. Hi Alt.; Umbrella type; Viton®
8	Valve Stem Seal	77-75	MV-1771C	Exh.; Hi Alt.; Umbrella type; Polyacrylate
8	Valve Stem Seal	74-72	MV-1771C	Exh.; Umbrella type; Polyacrylate
16	Valve Stem Seal	71-67	MV-1771C	Exh. & Int.; Umbrella type; Polyacrylate
8	Valve Stem Seal	65-60	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	65-60	MV-1771C	Int.; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	89-79	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	88-79	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
8	Valve Stem Seal Bulk	78	MV-1771	Exh.; VIN Code "H"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	78	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	78	ST-2014BC	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
8	Valve Stem Seal Bulk	77-75	MV-1771	Exh.; Hi Alt.; Umbrella type; Carton of 100; Polyacrylate

VALVE TRAIN

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.2L 318 OHV V8, 3.9063" Bore 1989-57 **43**

VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, (cont.)
"M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal Bulk	77-73	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	77-73	ST-2014BC	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
8	Valve Stem Seal Bulk	74-72	MV-1771	Exh.; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	72-57	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	72-57	ST-2014BC	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
16	Valve Stem Seal Bulk	71-67	MV-1771	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	65-60	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Int.	89-80	245-2000-1 Std Only	Use w/V-1908; 2.0055" OD, 1.7500" ID, .2160" Depth
8	Exh.	89-67	245-1625-2N Std Only	Use w/V-2029 & V-2141; Premium Material; 1.6300" OD, 1.3750" ID, .2480" Depth
8	Exh.	89-67	245-1625-2 Std Only	Use w/V-2029 & V-2141; 1.6300" OD, 1.3750" ID, .2480" Depth
8	Int.	89-67	245-1812-1N Std Only	Use w/V-1722; Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
8	Int.	89-67	245-1812-1 Std Only	Use w/V-1722; 1.8175" OD, 1.5625" ID, .2480" Depth
8	Exh.	66-57	245-1687-2N Std Only	Use w/V-1343; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	66-57	245-1687-2 Std Only	Use w/V-1343; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	66-57	245-1937-1 Std Only	Use w/V-1344; 1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-57	VK-66	2 groove
16	Keeper	89-57	VK-66R	2 groove; Hardened
16	Keeper	89-57	VK-174	4 groove
16	Keeper	89-57	VK-174R	4 groove; Hardened
16	Spring Insert	89-57	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	89-57	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	89-57	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	89-57	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	89-57	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	89-85	526P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.
8	Cast Piston	84-67	285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston	84-67	285NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
8	Cast Piston	67-58	1061P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod
8	Cast Piston	67-58	1061NP30 * 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9844" Pin Dia., Recessed Head .090" deep w/2 valve reliefs
8	Cast Piston - Individual	89-85	W526P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.
8	Cast Piston - Individual	84-67	W285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston - Individual	84-67	W285NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-pin rod - 8.5:1 C.R.
8	Cast Piston - Individual	67-58	W1061P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod
1	Cast Piston Set w/Prem. Rings	89-85	8K526P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.
1	Cast Piston Set w/Prem. Rings	84-67	8K285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

43 5.2L 318 OHV V8, 3.9063" Bore 1989-57
 (cont.) VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	84-67	8K285NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings	89-85	8X526P20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.
	1	Cast Piston Set w/Econ. Rings	84-67	8X285NP20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
	8	Powerforged	72-67	L-2329F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.759" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	72-67	WL-2329F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.759" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Pin Bushing	80-57	2134Y	w/.020" extra bore stock
	8	Pin Bushing	80-57	2134Y20	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-57	E-178K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	89-57	E-178X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	89-57	WE-178K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	89-57	WE-178X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-79	7381MA10X20 10X20	A-Series aluminum bearings; Use in .020" O/S Bore
	1	Main Set	89-79	5095MA Std-10-20-30	A-Series aluminum bearings; 3.530" max. flange OD; Pos. 1 bearing full grooved
	1	Main Set	78-74	5024MA Std-1-10-20-30	A-Series aluminum bearings; 3.530" max. flange OD; Pos. 1 upper brg. grooved
	1	Main Set	73-57	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	89-57	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	89-57	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	89-57	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	89-57	2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set	89-57	1484M Std Only	.760" length ctr. brg.
	1	Cam Set	79-57	1451M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	89-62	224-4166	High Volume, check pan for clearance
	1	Oil Pump	89-62	224-4166V	
	1	Inter. Shaft	89-67	224-6166	
	1	Screen Assy.	89-65	224-1166	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	89	260-1152	VIN Codes "4", "P" & "S"; Premium valve stem seals incl.
	1	Kit Gasket Set	88-86	260-1152	VIN Codes "4", "P", "S" & "Z"; Premium valve stem seals incl.
	1	Kit Gasket Set	85-83	260-1152	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.
	1	Kit Gasket Set	82-81	260-1152	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.
	1	Kit Gasket Set	80-79	260-1152	VIN Codes "H" & "G"; Premium valve stem seals incl.
KITS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	89-57	381-8010	Re-ring w/Mains
	1	Steel Block Plug Kit	89-57	381-4014	
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	89	VIN Codes "4", "P" & "S"; Premium valve stem seals incl. Re-ring		205-718	----
	89	VIN Codes "4", "P" & "S"; Incl. A-Series aluminum bearings; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.		205-718AM	205-218AM

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)5.2L 318 OHV V8, 3.9063" Bore 1989-57 **43**

VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89 (cont.)

RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
89	VIN Codes "4", "P" & "S"; Premium valve stem seals incl.	Re-ring	-----	205-218A
88-86	VIN Codes "4", "P", "S" & "Z"; Premium valve stem seals incl.	Re-ring	205-718	-----
88-86	VIN Codes "4", "P", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718AM	205-218AM
88-86	VIN Codes "4", "P", "S" & "Z"; Premium valve stem seals incl.	Re-ring	-----	205-218A
85-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.	Re-ring	205-718	-----
85-83	VIN Codes "4", "P", "R", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718AM	205-218AM
85-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.	Re-ring	-----	205-218A
82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.	Re-ring	205-718	-----
82-81	VIN Codes "K", "L", "M" & "N"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718AM	205-218AM
82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.	Re-ring	-----	205-218A
80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.	Re-ring	205-718	-----
80-79	VIN Codes "H" & "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718AM	205-218AM
80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.	Re-ring	-----	205-218A
78	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-717AM	205-217AM
78	VIN Code "G"; Premium valve stem seals incl.	Re-ring	205-717A	205-217A
78	Hi-Perf. Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718M	205-218M
78	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring	205-718	-----
78	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring	-----	205-218A
78	VIN Code "H"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-743M	205-243M
78	VIN Code "H"; Premium valve stem seals incl.	Re-ring	205-743	205-243
77	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-717AM	205-217AM
77	VIN Code "G"; Premium valve stem seals incl.	Re-ring	205-717A	205-217A
77	Hi-Perf. Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718M	205-218M
77	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring	205-718	-----
77	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring	-----	205-218A
76	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-717AM	205-217AM
76	VIN Code "G"; Premium valve stem seals incl.	Re-ring	205-717A	205-217A
76	Hi-Perf. Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718M	205-218M

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

43 5.2L 318 OHV V8, 3.9063" Bore 1989-57

(cont.) VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	76	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring		
	76	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring		
	75-74	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		
	75-70	VIN Code "G"; Premium valve stem seals incl.	Re-ring		
	73-70	VIN Code "G"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		
	69-68	VIN Code "F"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		
	69-68	VIN Code "F"; Premium valve stem seals incl.	Re-ring		
	67	w/5 bolt valve covers; Exc. Canadian Built Engs.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		
	67	w/5 bolt valve covers; Exc. Canadian Built Engs.; Premium valve stem seals incl.	Re-ring		
K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	89	VIN Code "S"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		
	89	VIN Code "S"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons		
	89	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		
	89	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons		
	89	VIN Codes "4", "P", & "S"; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		
	89	VIN Codes "4", "P", & "S"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons		
	89	VIN Code "S"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master		
	89	VIN Code "S"; w/flat lifters; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		
	89-85	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master		
	89-85	VIN Codes "P" & "4"; w/rlr. lifters; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		
	89-85	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master		
	89-85	VIN Codes "P" & "4"; w/rlr. lifters; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.2L 318 OHV V8, 3.9063" Bore 1989-57 **43**

VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, (cont.)
"M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	88-86	VIN Codes "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-718C	MK-218C
	88-86	VIN Codes "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-718D	MK-218D
	88-86	VIN Codes "4", "P", "S" & "Z"; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718H	505-218H
	88-86	VIN Codes "4", "P", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-718H MK-718H	MKP-218H MK-218H
	88-86	VIN Codes "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-718L	MKP-218L
	88-86	VIN Codes "S" & "Z"; w/flat lifters; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718L	505-218L
	88-85	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-718E	MK-218E
	88-85	VIN Codes "P" & "4"; w/rlr. lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-718F	MK-218F
	85	VIN Codes "R", "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-718C	MK-218C
	85	VIN Codes "R", "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-718D	MK-218D
	85	VIN Codes "4", "P", "R", "S" & "Z"; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718H	505-218H
	85	VIN Codes "4", "P", "R", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-718H	MKP-218H
	85	VIN Codes "R", "S" & "Z"; w/flat lifters; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-718L	MKP-218L
	85	VIN Codes "R", "S" & "Z"; w/flat lifters; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718L	505-218L
	85-83	VIN Codes "4", "P", "R", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-718H	MK-218H
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718A	-----
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	-----	505-218A
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-718C MK-718C	MKP-218C MK-218C

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

43 5.2L 318 OHV V8, 3.9063" Bore 1989-57

(cont.) VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, "M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-718C	-----	
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons MKP-718D MK-718D	MKP-218D MK-218D	
	84-83	VIN Codes "4", "P", "R", "S" & "Z"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains -----	505-218D	
	82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains 505-718A	-----	
	82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains -----	505-218A	
	82-81	VIN Codes "K", "L", "M" & "N"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons MKP-718C MK-718C	MKP-218C MK-218C	
	82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-718C	-----	
	82-81	VIN Codes "K", "L", "M" & "N"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons MKP-718D MK-718D	MKP-218D MK-218D	
	82-81	VIN Codes "K", "L", "M" & "N"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains -----	505-218D	
	82-81	VIN Codes "K", "L", "M" & "N"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons MK-718H	MK-218H	
	80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains 505-718A	-----	
	80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains -----	505-218A	
	80-79	VIN Codes "H" & "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons MKP-718C MK-718C	MKP-218C MK-218C	
	80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-718C	-----	
	80-79	VIN Codes "H" & "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons MKP-718D MK-718D	MKP-218D MK-218D	
	80-79	VIN Codes "H" & "G"; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains -----	505-218D	
	80-79	VIN Codes "H" & "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons MK-718H	MK-218H	
	78	Hi-Perf. Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons MKP-718A MK-718A	MKP-218A MK-218A	
	78	Hi-Perf. Engs.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains 505-718A	-----	
	78	VIN Code "H"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; .760" length ctr. brg.; Pos. 1 upper bearing grooved; Premium valve stem seals incl.; Incl. silent type chain	Master -----	MKP-243A	
	78	VIN Code "H"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper bearing grooved; Premium valve stem seals incl.; Incl. silent type chain	Master MKP-743A	-----	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.2L 318 OHV V8, 3.9063" Bore 1989-57 **43**

VIN Codes "E" 1966-67, "F" 1967-69, "G" 1970-80, "H" 1978-80, "J" 1981-82, "K" 1981-82, "L" 1981-82, (cont.)
"M" 1981-82, "N" 1981-83, "P" 1983-89, "R" 1983-85, "S" 1983-89, "Z" 1983-88, "4" 1983-89

K I T S	OVERHAUL KIT (cont.)		K I T S			
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	78	VIN Code "H"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Pistons	MK-743A	MK-243A
	78	VIN Code "H"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-743A	505-243A
	78-77	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain		Master Master w/o Pistons	MKP-717C MK-717C	MKP-217C MK-217C
	78-77	VIN Code "G"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-717C	505-217C
	78-77	Hi-Perf. Engs.; Premium valve stem seals incl.; Incl. double rlr. type chain		Master w/o Rods & Mains	-----	505-218D
	76	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain		Master Master w/o Pistons	MKP-717C MK-717C	MKP-217C MK-217C
	76	VIN Code "G"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-717C	505-217C
	76	Hi-Perf. Engs.; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	-----	505-218A
	76	Hi-Perf. Engs.; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-718C	-----
	75-74	VIN Code "G"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain		Master Master w/o Pistons	MKP-717C MK-717C	MKP-217C MK-217C
	75-74	VIN Code "G"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-717C	505-217C
	73-70	VIN Code "G"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain		Master Master w/o Pistons	MKP-717A MK-717A	MKP-217A MK-217A
	73-70	VIN Code "G"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-717C	505-217C
	69-68	VIN Code "F"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain		Master Master w/o Pistons	MKP-717A MK-717A	MKP-217A MK-217A
	69-68	VIN Code "F"; Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-717C	505-217C

5.3L 325 OHV V8 (Dodge), 3.6875" Bore 1958-57 **44**

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	58-57	222-348	Silent type; 68 Links
	1	Crank Sprocket	58-57	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
	1	Cam Sprocket	58-57	223-273	46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	58-57	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	58-57	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	58-57	R-829	L.H.
	8	Arm	58-57	R-828	R.H.
	2	Rocker Shaft	58-57	RS-612	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	58-57	VS-510	2.0000" Free Height
	16	Spring, Bulk	58-57	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	58-57	ST-2002	Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	58-57	MV-1771C	Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	58-57	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	58-57	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	58-57	VK-174	Exh.; 4 groove

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

44 5.3L 325 OHV V8 (Dodge), 3.6875" Bore 1958-57

(cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
16	Keeper	58-57	VK-174R	Exh.; 4 groove; Hardened
16	Keeper	58-57	VK-66	Int.; 2 groove
16	Keeper	58-57	VK-66R	Int.; 2 groove; Hardened

45 5.3L 326 OHV V8 (Dodge), 3.9531" Bore 1959

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	59	222-348	Silent type; 68 Links
	1	Crank Sprocket	59	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
	1	Cam Sprocket	59	223-273	46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	59	HT-879 Std Only	Hyd.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	59	V-1343 Std Only	4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Intake	59	V-1344 Std Only	2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Guide	59	VG-5033	Int.; .3735" ID, 2.6200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	59	VS-510	2.0000" Free Height
	16	Spring, Bulk	59	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	59	ST-2002	Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	59	MV-1771C	Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	59	ST-2002BC	Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	59	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
BLOCK	16	Keeper	59	VK-174	Exh.; 4 groove
	16	Keeper	59	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	59	VK-66	Int.; 2 groove
	16	Keeper	59	VK-66R	Int.; 2 groove; Hardened
	16	Spring Insert	59	259-102C	.015"; Carton of 100
	16	Spring Insert	59	259-102B	.030"; Carton of 100
	16	Spring Insert	59	259-102A	.060"; Carton of 100
	16	Spring Insert	59	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	59	2134Y	
BLOCK	8	Pin Bushing	59	2134Y20	w/.020" extra bore stock
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	59	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	59	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	59	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	59	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	59	2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set	59	1484M Std Only	
	1	Cam Set	59	1451M Std Only	.760" length ctr. brg.
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Kit Gasket Set	59	260-1571	Premium valve stem seals incl.

46 5.4L 331 OHV V8 (Chrysler), 3.8125" Bore 1956-51

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	56-51	222-348	Silent type; 68 Links
1	Crank Sprocket	56-54	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
1	Cam Sprocket	56	223-273	46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	56	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter	55	HT-812 Std Only	Exc. New Yorker; Hyd.; 1.830" - 1.860" Length
16	Lifter	54-53	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter, Bulk	56	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
16	Lifter, Bulk	55	HT-812B Std Only	Exc. New Yorker; Hyd.; Carton of 117; 1.830" - 1.860" Length

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.4L 331 OHV V8 (Chrysler), 3.8125" Bore 1956-51 **46**
(cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	(cont.) Lifter, Bulk	54-53	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	55	RP-3059	Int.; New Yorker; 9.7700" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	56-51	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	56	VS-510	2.0000" Free Height
	16	Spring, Bulk	56	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
BLOCK	16	Valve Stem Seal	56-55	ST-2002	Imperial; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	56-55	ST-2002BC	Imperial; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	56	VK-174	4 groove
	16	Keeper	56	VK-174R	4 groove; Hardened
	16	Keeper	55-51	VK-66	2 groove
	16	Keeper	55-51	VK-66R	2 groove; Hardened
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	56-51	1804V	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Repair Sleeve	56-51	SL-93M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	56-51	916M Std-10	
	8	Rod Pair	56-51	1800CP Std-10	
BLOCK	1	Cam Set	56-51	1149M Std Only	

5.6L 340 OHV V8, 4.04" Bore 1973-68 **47**
VIN Codes "H" 1970-73, "J" 1970-71, "P" 1968-69

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	73-68	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
	1	Timing Set w/Gaskets	73-68	CTS-3002	Incl. double rlr. type chain
	1	Timing Chain	73-68	222-160	Double rlr.; 68 Links
	1	Crank Sprocket	73-68	223-297	Double row; 23 Teeth
	1	Cam Sprocket	73-68	223-402	Double row; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	73-68	CS-644	
	16	Lifter	73-68	HT-2011 Std Only	Hyd.
	16	Lifter, Bulk	73-68	HT-2011B Std Only	Hyd.; Carton of 117
VALVE TRAIN	1	Prelube	73-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	73-68	KC-644	Hyd.; Incl. (1) CS-644, (16) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	73-68	KCT-644	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-644, (16) HT-2011, (1) KT3-160S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	73-72	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod	71-70	RP-3194	VIN Code "J"; .312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod	71-70	RP-3219R100	VIN Code "J"; Ball & socket type ends; Chrome-Moly; 7.3900" O.A.L.
	16	Push Rod	71-70	RP-3159	VIN Code "J"; Ball & Socket type; 7.5720" O.A.L.
	16	Push Rod	69-68	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	73-72	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	16	Push Rod, Bulk	71-70	BRP-3194	VIN Code "J"; .312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	16	Push Rod, Bulk	69-68	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	73-68	R-861	L.H.
	8	Arm	73-68	R-862	R.H.
	8	Arm, Bulk	73-68	R-861B	L.H.; Carton of 64
	8	Arm, Bulk	73-68	R-862B	R.H.; Carton of 64
	2	Rocker Shaft	73-68	RS-626	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exhaust	73-68	V-3925 Std-15	4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

47 5.6L 340 OHV V8, 4.04" Bore 1973-68
(cont.) VIN Codes "H" 1970-73, "J" 1970-71, "P" 1968-69

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exhaust, Bulk	73-68	V-3925B15 15	2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
	8	Intake	73-72	V-1908 Std-15	2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
	8	Intake	71-68	V-1864 Std Only	2.0200" Head Dia., .3725" Stem Dia., 4.9860" O.A.L.
	8	Intake, Bulk	73-72	V-1908B15 15	2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	73-68	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	8	Guide	73-68	VG-5087	Int.; Bronze; .3740" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	73-68	VS-678	Incl. damper; 1.9400" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	73-68	ST-2002	Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	73-68	MV-1771C	Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	73-68	ST-2002BC	Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	73-68	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	73-72	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
	8	Exh.	73-68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	73-68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	71-68	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
VALVE, MISC	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	73-72	VK-66	2 groove
	16	Keeper	73-72	VK-66R	2 groove; Hardened
	16	Keeper	73-68	VK-174	4 groove
	16	Keeper	73-68	VK-174R	4 groove; Hardened
	16	Spring Insert	73-68	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	73-68	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	73-68	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	73-68	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	73-68	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	71-68	428P Std-20-30-40-60	Cast; Use on both R.H. & L.H. banks; 2-5/64", 1-3/16" Ring Groove, 1.829" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 10.2:1 C.R.
	8	Cast Piston - Individual	71-68	W428P Std-20-30-40-60	Cast; Use on both R.H. & L.H. banks; 2-5/64", 1-3/16" Ring Groove, 1.829" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 10.2:1 C.R.
	8	Powerforged	73-72	L-2385F30 * 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	71-68	L-2316F20 20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.840" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	73-72	WL-2385F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	71-68	WL-2316F20 20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.840" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Pin Bushing	73-68	2134Y	
	8	Pin Bushing	73-68	2134Y20	w/.020" extra bore stock
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	73-68	E-286K Std-30-40-60	2-5/64, 1-3/16
	1	Standard Set	73-68	E-286X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	73-68	WE-286K30 30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	73-68	WE-286X30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	73-68	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	73-68	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	73-68	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set	73-68	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	73-68	2130CP Std-1-2-10-20-30-40-50	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.6L 340 OHV V8, 4.04" Bore 1973-68 **47**
VIN Codes "H" 1970-73, "J" 1970-71, "P" 1968-69 (cont.)

BLOCK	ENGINE BEARINGS		YEARS	PART NO.	DESCRIPTION	BLOCK	
	QTY	(cont.)					
	1	Cam Set	73-68	1484M	Std Only		.760" length ctr. brg.
	1	Cam Set	73-68	1451M	Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	73-68	224-4166	High Volume, check pan for clearance		
	1	Oil Pump	73-68	224-4166V			
	1	Inter. Shaft	73-68	224-6166			
	1	Screen Assy.	73-68	224-1166			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	73-68	260-1121	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	73-68	381-8010				
1	Steel Block Plug Kit	73-68	381-4014				
KITS	RE-RING KIT				PREMIUM KIT NO. 205-713M	ECONOMY KIT NO. 205-213M	KITS
	YEARS	DESCRIPTION					
	73-68	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains				
	73-68	Premium valve stem seals incl.	Re-ring	205-713	205-213		
	OVERHAUL KIT				PREMIUM KIT NO. MK-713A	ECONOMY KIT NO. MK-213A	
	YEARS	DESCRIPTION					
	73-72	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons				
71-68	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	Master w/o Pistons	MKP-713A	MKP-213A		
				MK-713A	MK-213A		
71-68	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		505-713A	505-213A		

5.6L 341 OHV V8 (DeSoto), 3.7813" Bore 1957 **48**

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Lifter	57	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
	16	Lifter, Bulk	57	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	57	VS-510	2.0000" Free Height	
VALVE TRAIN	16	Spring, Bulk	57	VS-510B	Carton of 250; 2.0000" Free Height	VALVE TRAIN
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	57	ST-2002	Installation requires valve guide machining; Polyacrylate	
	8	Valve Stem Seal	57	MV-1771C	Int.; Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	57	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
VALVE TRAIN	8	Valve Stem Seal Bulk	57	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	VALVE TRAIN
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	57	VK-174	Exh.; 4 groove	
	16	Keeper	57	VK-174R	Exh.; 4 groove; Hardened	
	16	Keeper	57	VK-66	Int.; 2 groove	
VALVE TRAIN	16	Keeper	57	VK-66R	Int.; 2 groove; Hardened	VALVE TRAIN

5.7L 350 OHV V8, 4.0625" Bore 1958 **49**

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	58	KT3-495S	Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291	
	1	Timing Chain	58	222-495	Silent type; 50 Links	
	1	Crank Sprocket	58	223-291	Use w/silent type chain; 19 Teeth	
	1	Cam Sprocket	58	223-290	Use w/silent type chain; 38 Teeth	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	58	CS-327		
	16	Lifter	58	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
	16	Lifter, Bulk	58	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
	1	Prelube	58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	58	KC-327A	Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	58	RP-3031	8.6450" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	58	R-829	L.H.	
VALVE TRAIN	8	Arm	58	R-828	R.H.	VALVE TRAIN

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

49 5.7L 350 OHV V8, 4.0625" Bore 1958

(cont.)

VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	2	Rocker Shaft	58	RS-612		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	58	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	58	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	58	VS-673	2.5800" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	58	ST-2002	Installation requires valve guide machining; Polyacrylate	
BLOCK	8	Valve Stem Seal	58	MV-1771C	Int.; Umbrella type; Polyacrylate	BLOCK
	16	Valve Stem Seal Bulk	58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	8	Valve Stem Seal Bulk	58	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	58	VK-174	Exh.; 4 groove	
	16	Keeper	58	VK-174R	Exh.; 4 groove; Hardened	
	16	Keeper	58	VK-66	Int.; 2 groove	
	16	Keeper	58	VK-66R	Int.; 2 groove; Hardened	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	58	E-253K30 30-40-60	2-5/64, 1-3/16	
BLOCK	1	Standard Set	58	E-253X Std-30-40-60	2-5/64, 1-3/16	BLOCK
	8	Premium Single Cylinder Set	58	WE-253K30 30	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	58	WE-253X30 30	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	58	4094M Std-10-20-30-40-60	3.453" max. flange OD	
	1	Rod Set	58	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
	1	Rod Set	58	8-2320CA60 60	Unplated & resizeable	
	8	Rod Pair	58	2320CP Std-1-10-20-30-40-50		
	1	Cam Set	58	1453M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Oil Pump	58	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter	BLOCK
	1	Oil Pump	58	224-4174	Use original cover plate on Eng. w/canister oil filter	
	1	Pump Repair Kit	58	224-5174		
	1	Inter. Shaft	58	224-6174		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Valley Pan Gasket Set	58	260-4011		

50 5.8L 354 OHV V8 (Chrysler), 3.9375" Bore 1959-56

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Lifter	58-57	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
	16	Lifter	56	HT-812 Std Only	Exc. New Yorker; Exc. 300; Hyd.; 1.830" - 1.860" Length	
	16	Lifter, Bulk	58-57	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
	16	Lifter, Bulk	56	HT-812B Std Only	Exc. New Yorker; Exc. 300; Hyd.; Carton of 117; 1.830" - 1.860" Length	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	58-56	RP-3059	Int.; New Yorker, 300; 9.7700" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	58-56	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	16	Spring	58-57	VS-510	2.0000" Free Height	VALVE TRAIN
	16	Spring, Bulk	58-57	VS-510B	Carton of 250; 2.0000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	58-57	ST-2002	Installation requires valve guide machining; Polyacrylate	
	16	Valve Stem Seal	56	ST-2002	Exc. New Yorker; Exc. 300; Installation requires valve guide machining; Polyacrylate	
	8	Valve Stem Seal	58-56	MV-1771C	Int.; Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	58-57	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	8	Valve Stem Seal Bulk	58-56	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	56	ST-2002BC	Exc. New Yorker; Exc. 300; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	16	Keeper	58-56	VK-174	Exh.; 4 groove	VALVE TRAIN
	16	Keeper	58-56	VK-174R	Exh.; 4 groove; Hardened	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.8L 354 OHV V8 (Chrysler), 3.9375" Bore 1959-56 50
(cont.)

B L O C K	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	16	Keeper	58-56	VK-66	Int.; 2 groove	
	16	Keeper	58-56	VK-66R	Int.; 2 groove; Hardened	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Pin Bushing	59-56	1804V		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	58-56	E-252X Std-30	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	59-56	916M Std-10		
	8	Rod Pair	59-56	1800CP Std-10		
	1	Cam Set	59-56	1149M Std Only		

5.9L 360 OHV V8, 4" Bore 1980-71 51
VIN Codes "J" 1974-80, "K" 1971-80, "L" 1974-80

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	80-77	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402	
	1	3 Piece Set	80-77	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359	
	1	3 Piece Set	76-74	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402	
	1	3 Piece Set	76-74	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359	
	1	3 Piece Set	73-71	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359	
	1	Timing Set w/Gaskets	80-74	CTS-3002	Incl. double rlr. type chain	
	1	Timing Set w/Gaskets	80-71	CTS-3000	Incl. silent type chain	
	1	Timing Chain	80-77	222-361	Exc. Hi-Perf.; Exc. H/D; Silent type; 68 Links	
	1	Timing Chain	80-77	222-160	Hi-Perf. & H/D; Double rlr.; 68 Links	
	1	Timing Chain	76-74	222-361	VIN Code "K"; Silent type; 68 Links	
	1	Timing Chain	76-74	222-160	VIN Codes "J" & "L"; Double rlr.; 68 Links	
	1	Timing Chain	73-71	222-361	Silent type; 68 Links	
	1	Crank Sprocket	80-77	223-297	Double row; 23 Teeth	
	1	Crank Sprocket	80-77	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth	
	1	Crank Sprocket	76-74	223-359	VIN Code "K"; Use w/silent type chain; .405" tooth width sprocket; 23 Teeth	
	1	Crank Sprocket	76-74	223-297	VIN Codes "J" & "L"; Double row; 23 Teeth	
	1	Crank Sprocket	73-71	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth	
	1	Cam Sprocket	80-77	223-402	Double row; 46 Teeth	
	1	Cam Sprocket	80-77	223-358	Use w/silent type chain; 46 Teeth	
	1	Cam Sprocket	76-74	223-358	VIN Code "K"; Use w/silent type chain; 46 Teeth	
	1	Cam Sprocket	76-74	223-402	VIN Codes "J" & "L"; Double row; 46 Teeth	
	1	Cam Sprocket	73-71	223-358	Use w/silent type chain; 46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	80-77	CS-665		
	1	Camshaft	76-74	CS-665	VIN Code "K"; w/o Calif. Emis.	
	1	Camshaft	76-74	CS-644	VIN Codes "J" & "L"; w/o Calif. Emis.	
	1	Camshaft	73-71	CS-665		
	16	Lifter	80-71	HT-2011 Std Only	Hyd.	
	16	Lifter, Bulk	80-71	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	80-71	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	80-77	KC-665	Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	76-74	KC-665	VIN Code "K"; w/o Calif. Emis.; Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	76-74	KC-644	VIN Codes "J" & "L"; w/o Calif. Emis.; Hyd.; Incl. (1) CS-644, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	73-71	KC-665	Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-77	KCT-665	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-160S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-77	KCT-665A	Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	76-74	KCT-665A	VIN Code "K"; w/o Calif. Emis.; Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	76-74	KCT-644	VIN Codes "J" & "L"; w/o Calif. emis.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-644, (16) HT-2011, (1) KT3-160S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	73-71	KCT-665A	Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

51 5.9L 360 OHV V8, 4" Bore 1980-71
(cont.) VIN Codes "J" 1974-80, "K" 1971-80, "L" 1974-80

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	80-71	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod, Bulk	80-71	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	80-71	R-861	L.H.
8	Arm	80-71	R-862	R.H.
8	Arm, Bulk	80-71	R-861B	L.H.; Carton of 64
8	Arm, Bulk	80-71	R-862B	R.H.; Carton of 64
2	Rocker Shaft	80-71	RS-626	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	80-71	V-3925 Std-15	VIN Code "K"; 4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.
8	Exhaust, Bulk	80-71	V-3925B15 15	VIN Code "K"; 2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
8	Intake	80-71	V-1908 Std-15	2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	80-71	V-1908B15 15	2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	80-71	VG-5007	Exh. & Int.; .3725" ID, 2.3800" O.A.L.
16	Guide	80-71	VG-5062	Exh. & Int.; .3735" ID, 2.3800" O.A.L.
16	Guide	80-71	VG-5007T	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	80-71	VG-5007B	Exh. & Int.; Carton of 50; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	80-71	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	80-77	VS-510	2.0000" Free Height
16	Spring	76-74	VS-510	VIN Code "K"; 2.0000" Free Height
16	Spring	76-74	VS-678	VIN Codes "J" & "L"; Incl. damper; 1.9400" Free Height
16	Spring	73-71	VS-510	2.0000" Free Height
16	Spring, Bulk	80-77	VS-510B	Carton of 250; 2.0000" Free Height
16	Spring, Bulk	76-74	VS-510B	VIN Code "K"; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	73-71	VS-510B	Carton of 250; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	80-74	ST-2048	Int.; O.E. design; Positive type; Viton®
16	Valve Stem Seal	80-71	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	80-75	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	74	MV-1771C	Exh.; VIN Code "L"; Umbrella type; Polyacrylate
8	Valve Stem Seal	74	MV-1918	Exh.; VIN Codes "J" & "L"; Umbrella type; Viton®
16	Valve Stem Seal	73-71	MV-1771C	Exh. & Int.; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	80-71	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	74	MV-1771	Exh.; VIN Code "L"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	73-71	MV-1771	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	80-71	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	80-71	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	80-71	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	80-71	VK-66	2 groove
16	Keeper	80-71	VK-66R	2 groove; Hardened
16	Keeper	80-71	VK-174	4 groove
16	Keeper	80-71	VK-174R	4 groove; Hardened
16	Spring Insert	80-71	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	80-71	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	80-71	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	80-71	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	80-71	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	80-71	405CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston	80-71	405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
8	Cast Piston - Individual	80-71	W405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
1	Cast Piston Set w/Prem. Rings	80-71	8K405CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.9L 360 OHV V8, 4" Bore 1980-71 51

VIN Codes "J" 1974-80, "K" 1971-80, "L" 1974-80 (cont.)

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Cast Piston Set w/Prem. Rings	80-71	8K405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	80-71	8X405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	80-71	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	80-71	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	80-71	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set	
	1	Standard Set	80-71	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	80-71	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	80-71	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	80-71	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16		
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION		
8	Repair Sleeve	80-71	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"		
8	Repair Sleeve	80-71	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	80-74	4999MA Std-1-10-20-30	A-Series aluminum bearings; w/3.910" max. flange OD		
1	Main Set	73-71	4948MA Std-10-20-30	A-Series aluminum bearings; 3.685" max. flange OD		
1	Rod Set	80-71	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore		
1	Rod Set	80-71	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable		
1	Rod Set	80-71	8-2130CA60 60	Unplated & resizeable		
8	Rod Pair	80-71	2130CP Std-1-2-10-20-30-40-50			
1	Cam Set	80-79	1484M Std Only			
1	Cam Set	78-71	1451M Std Only	.760" length ctr. brg.		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	80-71	224-4166			
1	Oil Pump	80-71	224-4166V	High Volume, check pan for clearance		
1	Inter. Shaft	80-71	224-6166			
1	Screen Assy.	80	224-1166	Exc. Newport & New Yorker		
1	Screen Assy.	79-78	224-1166	Exc. Newport, New Yorker & Monaco		
1	Screen Assy.	78-74	224-1266	Newport, New Yorker, Monaco & Gran Fury		
1	Screen Assy.	77	224-1166	Exc. Newport, New Yorker, Monaco & Gran Fury		
1	Screen Assy.	76-75	224-1166	Exc. Newport, Monaco & Gran Fury		
1	Screen Assy.	74	224-1166	Exc. Newport, Monaco & Fury		
1	Screen Assy.	73-71	224-1166	Exc. Newport		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	80-79	260-1095	Premium valve stem seals incl.		
1	Kit Gasket Set	78-76	260-1033	Exc. Hi-Perf. Engs.; Premium valve stem seals incl.		
1	Kit Gasket Set	78-76	260-1095	Hi-Perf. Engs.; Premium valve stem seals incl.		
1	Kit Gasket Set	75-71	260-1033	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	80-71	381-8010			
1	Steel Block Plug Kit	80-71	381-4014			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	80-79	Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-683AM	205-183AM
	80-79	Premium valve stem seals incl.	Re-ring		205-683A	205-183A
	78-76	Exc. Hi-Perf. Engs.; Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-622AM	205-122AM
	78-76	Exc. Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring		205-622A	205-122A
	78-76	Hi-Perf. Engs.; Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-683AM	205-183AM
	78-76	Hi-Perf. Engs.; Premium valve stem seals incl.	Re-ring		205-683A	205-183A
	75-74	Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-622AM	205-122AM
	75-71	Premium valve stem seals incl.	Re-ring		205-622A	205-122A
73-71	Incl. A-Series aluminum bearings; w/3.685" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-622M	205-122M	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

51 5.9L 360 OHV V8, 4" Bore 1980-71
(cont.) VIN Codes "J" 1974-80, "K" 1971-80, "L" 1974-80

K I T S	OVERHAUL KIT			PREMIUM KIT NO. MKP-683C MK-683C	ECONOMY KIT NO. MKP-183C MK-183C	K I T S
	YEARS	DESCRIPTION				
	80-79	Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons			
	80-79	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-683C	505-183C	

52 5.9L 361 OHV V8, 4.125" Bore 1966-58
VIN Code "F" 1966

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	66	KT3-168S	Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	66	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	3 Piece Set	65-58	KT3-168S	Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	65-58	KT3-495S	Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291	
	1	Timing Chain	66	222-168	Double rlr.; 66 Links	
	1	Timing Chain	66	222-501	Silent type; 50 Links	
	1	Timing Chain	65-58	222-168	Double rlr.; 66 Links	
	1	Timing Chain	65-58	222-495	Silent type; 50 Links	
	1	Crank Sprocket	66	223-339	Double row; 25 Teeth	
	1	Crank Sprocket	65-58	223-339	Double row; 25 Teeth	
	1	Crank Sprocket	65-58	223-291	Use w/silent type chain; 19 Teeth	
	1	Cam Sprocket	66	223-380	Double row; 50 Teeth	
	1	Cam Sprocket	65-58	223-380	Double row; 50 Teeth	
	1	Cam Sprocket	65-58	223-290	Use w/silent type chain; 38 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	66-58	CS-327		
	16	Lifter	66-58	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
	16	Lifter, Bulk	66-58	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
	1	Prelube	66-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	66-58	KC-327A	Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Push Rod	66-58	RP-3031	Exc. Hi-Perf. Engs.; 8.6450" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Arm	66-58	R-829	L.H.	
	8	Arm	66-58	R-828	R.H.	
	2	Rocker Shaft	66-58	RS-612		
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Exhaust	66-58	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.	
	8	Intake	66-58	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.	
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Guide	66-58	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Spring	66-58	VS-673	2.5800" Free Height	
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Valve Stem Seal	66-58	ST-2002	Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate	
	16	Valve Stem Seal	66-59	MV-1707C	Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	66-59	MV-1707	Umbrella type; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	66-58	ST-2002BC	Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Exh.	66-58	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Exh.	66-58	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Int.	66-58	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth	
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Keeper	66-58	VK-174	Exh.; 4 groove	
	16	Keeper	66-58	VK-174R	Exh.; 4 groove; Hardened	
	16	Keeper	66-58	VK-66	Int.; 2 groove	
	16	Keeper	66-58	VK-66R	Int.; 2 groove; Hardened	
	16	Spring Insert	66-58	259-103C	.015"; ID 1.030"; Carton of 100	
	16	Spring Insert	66-58	259-103B	.030"; ID 1.030"; Carton of 100	
	16	Spring Insert	66-58	259-103BRS	.030"; ID 1.030"; Carton of 500	

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

5.9L 361 OHV V8, 4.125" Bore 1966-58 **52**
VIN Code "F" 1966 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
16	Spring Insert	66-58	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	66-58	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Pin	66-58	P-1940 Std-3	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	66-58	E-243K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	66-58	E-243X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	66-58	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	66-58	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	66-58	4094M Std-10-20-30-40-60	3.453" max. flange OD
1	Rod Set	66-58	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
1	Rod Set	66-58	8-2320CA60 60	Unplated & resizeable
8	Rod Pair	66-58	2320CP Std-1-10-20-30-40-50	
1	Cam Set	66-58	1453M Std Only	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	66-58	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter
1	Oil Pump	66-58	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter
1	Oil Pump	66-58	224-4174	Use original cover plate on Eng. w/canister oil filter
1	Pump Repair Kit	66-58	224-5174	
1	Inter. Shaft	66-58	224-6174	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	66-63	260-1001	w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	66-59	260-4011	Premium Set; Performance manifold gskts. incl.
1	Valley Pan Gasket Set	66-58	260-4034	Canadian Firedome & Fireflite raised block Eng.
1	Valley Pan Gasket Set	58	260-4019	Exc. Canadian Firedome & Fireflite raised block Eng.
1	Valley Pan Gasket Set	58	260-4011	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	66-58	381-8011	
1	Steel Block Plug Kit	66-58	381-4031	

6.3L 383 OHV V8, 4.25" Bore 1971-59 **53**

VIN Codes "G" 1966-69, "H" 1967-69, "L" 1970-71, "N" 1970-71

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	71-66	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367
1	3 Piece Set	71-59	KT3-168S	Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380
1	3 Piece Set	65-59	KT3-495S	Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291
1	Timing Chain	71-66	222-168	Double rlr.; 66 Links
1	Timing Chain	71-66	222-501	Silent type; 50 Links
1	Timing Chain	65-59	222-168	Double rlr.; 66 Links
1	Timing Chain	65-59	222-495	Silent type; 50 Links
1	Crank Sprocket	71-66	223-339	Double row; 25 Teeth
1	Crank Sprocket	65-59	223-339	Double row; 25 Teeth
1	Crank Sprocket	65-59	223-291	Use w/silent type chain; 19 Teeth
1	Cam Sprocket	71-66	223-380	Double row; 50 Teeth
1	Cam Sprocket	65-59	223-380	Double row; 50 Teeth
1	Cam Sprocket	65-59	223-290	Exc. Eng. w/Ram manifold; Use w/silent type chain; 38 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	71-69	CS-327	Exc. Hi-Perf.
1	Camshaft	71-69	CS-661	Hi-Perf.
1	Camshaft	68-59	CS-327	Exc. Hi-Perf.
16	Lifter	71-68	HT-976 Std Only	Hyd.
16	Lifter	67-59	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter, Bulk	71-68	HT-976B Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	67-59	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
1	Prelube	71-59	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	71	KC-327	Exc. Hi-Perf.; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-661	Hi-Perf.; Hyd.; Incl. (1) CS-661, (16) HT-976, (1) 55-403B
1	Cam/Lifter Kit	70-68	KC-327	Exc. Hi-Perf.; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

53 6.3L 383 OHV V8, 4.25" Bore 1971-59
 (cont.) VIN Codes "G" 1966-69, "H" 1967-69, "L" 1970-71, "N" 1970-71

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	67-59	KC-327A	Exc. Hi-Perf.; Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71	KCT-327	Exc. Hi-Perf.; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	70-68	KCT-327	Exc. Hi-Perf.; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	71-68	RP-3191	8.5750" O.A.L.
	16	Push Rod	67-65	RP-3031	8.6450" O.A.L.
	16	Push Rod	64-61	RP-3031	Exc. Hi-Perf. Engs.; 8.6450" O.A.L.
	16	Push Rod	60-59	RP-3031	8.6450" O.A.L.
	16	Push Rod	60-59	RP-3034	9.3750" O.A.L.
	16	Push Rod, Bulk	71-68	BRP-3191	Carton of 100; 8.5750" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	71-61	R-829	L.H.
	8	Arm	71-61	R-828	R.H.
	2	Rocker Shaft	71-61	RS-612	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	71-68	V-1900 Std Only	4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.
	8	Exhaust	67-59	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.
	8	Intake	71-61	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	8	Intake	60-59	V-1386 Std Only	Exc. Chrysler; 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	71-59	VG-5088	Exh. & Int.; Bronze; .3735" ID, 2.6250" O.A.L.
VALVE TRAIN	8	Guide	71-59	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	71-70	VS-673	VIN Code "L"; 2.5800" Free Height
	16	Spring	71-70	VS-675	VIN Code "N"; Incl. damper; 2.2300" Free Height
	16	Spring	69-68	VS-673	VIN Code "G"; 2.5800" Free Height
	16	Spring	69-68	VS-675	VIN Code "H"; Incl. damper; 2.2300" Free Height
	16	Spring	67-60	VS-673	2.5800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	71-59	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	71-59	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
VALVE TRAIN	16	Valve Stem Seal	71-60	MV-1707C	Exh. & Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal	59	MV-1707C	Exh. & Int.; Exc. Eng. Code "D500"; Umbrella type; Polyacrylate
	8	Valve Stem Seal	59	MV-1771C	Int.; Eng. Code "D500"; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	71-60	MV-1707	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	71-59	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	71-59	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	59	MV-1707	Exh. & Int.; Exc. Eng. Code "D500"; Umbrella type; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	59	MV-1771	Int.; Eng. Code "D500"; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	71-68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	8	Exh.	71-68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	71-59	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	67-59	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	8	Exh.	67-59	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	71-59	VK-174	Exh.; 4 groove
	16	Keeper	71-59	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	71-59	VK-66	Int.; 2 groove
	16	Keeper	71-59	VK-66R	Int.; 2 groove; Hardened
	16	Spring Insert	71-59	259-103C	.015"; ID 1.030"; Carton of 100
VALVE TRAIN	16	Spring Insert	71-59	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	71-59	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	71-59	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	71-59	259-103ARS	.060"; ID 1.030"; Carton of 500

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

6.3L 383 OHV V8, 4.25" Bore 1971-59 53						
VIN Codes "G" 1966-69, "H" 1967-69, "L" 1970-71, "N" 1970-71 (cont.)						
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	71-59	366NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.848" CD, 1.0939" Pin Dia., Flat Head - 8.4:1 C.R.	
	8	Cast Piston - Individual	71-59	W366NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.848" CD, 1.0939" Pin Dia., Flat Head - 8.4:1 C.R.	
	8	Powerforged	71-70	L-2315F30 30-40-60	VIN Code "N"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.920" CD, 1.0938" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Powerforged	69-68	L-2315F30 30-40-60	VIN Code "H"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.920" CD, 1.0938" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	71-70	WL-2315F30 30-40-60	VIN Code "N"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.920" CD, 1.0938" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	69-68	WL-2315F30 30-40-60	VIN Code "H"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.920" CD, 1.0938" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	71-59	E-233K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	71-59	E-233X Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	71-59	WE-233K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	71-59	WE-233X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	71-59	4094M Std-10-20-30-40-60	3.453" max. flange OD	
	1	Main Set	60-59	4924MA Std-10-20-30	A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD	
	1	Rod Set	71-59	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
	1	Rod Set	71-59	8-2320CA60 60	Unplated & resizeable	
	8	Rod Pair	71-59	2320CP Std-1-10-20-30-40-50		
	1	Cam Set	71-59	1453M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	71-59	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter	
	1	Oil Pump	71-59	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter	
	1	Oil Pump	71-59	224-4174	Use original cover plate on Eng. w/canister oil filter	
	1	Pump Repair Kit	71-59	224-5174		
	1	Inter. Shaft	71-59	224-6174		
	1	Screen Assy.	70-67	224-15055		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	71-64	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	63	260-1001	w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	71-61	260-4011		
	1	Valley Pan Gasket Set	71-59	260-4034	Premium Set; Performance manifold gskts. incl.	
	1	Valley Pan Gasket Set	60-59	260-4019	Canadian Firedome & Fireflite raised block Eng.	
	1	Valley Pan Gasket Set	60-59	260-4011	Exc. Canadian Firedome & Fireflite raised block Eng.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	71-59	381-8011		
	1	Steel Block Plug Kit	71-59	381-4031		
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	71-64	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-667	205-167
	63	w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-667	205-167
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	71	Exc. Hi-Perf.; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons		MKP-667E MK-667E	MKP-167E MK-167E
	70-68	Exc. Hi-Perf.; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons		MKP-667E MK-667E	MKP-167E MK-167E
	67-66	Exc. Hi-Perf.; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons		MKP-667F MK-667F	MKP-167F MK-167F

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

53 6.3L 383 OHV V8, 4.25" Bore 1971-59

(cont.) VIN Codes "G" 1966-69, "H" 1967-69, "L" 1970-71, "N" 1970-71

KITS	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MKP-667G MK-667G	ECONOMY KIT NO. ----- MK-167G	KITS
	YEARS	DESCRIPTION			
	65-64	Exc. Hi-Perf.; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons		
	63	Exc. Hi-Perf.; w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons	MKP-667G MK-667G	----- MK-167G

54 6.4L 392 OHV V8 (Chrysler), 4" Bore 1958-57

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	58-57	222-348	Silent type; 68 Links	
	1	Crank Sprocket	58-57	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth	
	1	Cam Sprocket	58-57	223-273	46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	58-57	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length	
	16	Lifter, Bulk	58-57	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	58-57	VS-510	2.0000" Free Height	
	16	Spring, Bulk	58-57	VS-510B	Carton of 250; 2.0000" Free Height	
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Valve Stem Seal	58-57	ST-2002	Installation requires valve guide machining; Polyacrylate	
	8	Valve Stem Seal	58-57	MV-1771C	Int.; Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	58-57	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	8	Valve Stem Seal Bulk	58-57	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	58-57	VK-174	Exh.; 4 groove	
	16	Keeper	58-57	VK-174R	Exh.; 4 groove; Hardened	
	16	Keeper	58-57	VK-66	Int.; 2 groove	
	16	Keeper	58-57	VK-66R	Int.; 2 groove; Hardened	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Pin Bushing	58-57	1804V		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	58-57	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	58-57	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	58-57	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	58-57	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	58-57	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	58-57	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	58-57	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	58-57	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	58-57	4009M Std-10		
	8	Rod Pair	58-57	2235SB Std-10		
	1	Cam Set	58-57	1149M Std Only		

55 6.6L 400 OHV V8, 4.342" Bore 1978-72

VIN Codes "M" 1972-76, "N" 1974-78, "P" 1972-78

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	3 Piece Set	78-75	KT3-168S	VIN Codes "N" & "P"; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	76-75	KT3-501S	VIN Code "M"; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	3 Piece Set	74-72	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	Timing Chain	78-75	222-168	VIN Codes "N" & "P"; Double rlr.; 66 Links	
	1	Timing Chain	76-75	222-501	VIN Code "M"; Silent type; 50 Links	
	1	Timing Chain	74-72	222-501	Silent type; 50 Links	
	1	Crank Sprocket	78-75	223-339	VIN Codes "N" & "P"; Double row; 25 Teeth	
	1	Cam Sprocket	78-75	223-380	VIN Codes "N" & "P"; Double row; 50 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	78-75	CS-327		
	1	Camshaft	74	CS-661	VIN Codes "N" & "P"	

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

6.6L 400 OHV V8, 4.342" Bore 1978-72 55
VIN Codes "M" 1972-76, "N" 1974-78, "P" 1972-78 (cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Camshaft	74-72	CS-327		VIN Code "M"
1	Camshaft	73-72	CS-661		VIN Code "P"
16	Lifter	78-72	HT-976	Std Only	Hyd.
16	Lifter, Bulk	78-72	HT-976B	Std Only	Hyd.; Carton of 117
1	Prelube	78-72	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	78-75	KC-327		Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
1	Cam/Lifter Kit	74	KC-661		VIN Codes "N" & "P"; Hyd.; Incl. (1) CS-661, (16) HT-976, (1) 55-403B
1	Cam/Lifter Kit	74-72	KC-327		VIN Code "M"; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
1	Cam/Lifter Kit	73-72	KC-661		VIN Code "P"; Hyd.; Incl. (1) CS-661, (16) HT-976, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-75	KCT-327		VIN Code "M"; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74-72	KCT-327		VIN Code "M"; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	78-72	RP-3191		8.5750" O.A.L.
16	Push Rod, Bulk	78-72	BRP-3191		Carton of 100; 8.5750" O.A.L.
QTY	ROCKER PARTS				DESCRIPTION
		YEARS	PART NO.		
8	Arm	78-72	R-829		L.H.
8	Arm	78-72	R-828		R.H.
1	Rocker Shaft	78-72	RS-612		
QTY	VALVE				DESCRIPTION
		YEARS	PART NO.		
8	Exhaust	78-72	V-1900	Std Only	4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.
8	Intake	78-72	V-1386	Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
QTY	VALVE GUIDE				DESCRIPTION
		YEARS	PART NO.		
16	Guide	78-72	VG-5073		Exh. & Int.; .3745" ID, 2.3750" O.A.L.
16	Guide	78-72	VG-5088		Exh. & Int.; Bronze; .3735" ID, 2.6250" O.A.L.
QTY	VALVE SPRING				DESCRIPTION
		YEARS	PART NO.		
16	Spring	75-74	VS-675		VIN Codes "N" & "P"; Incl. damper; 2.2300" Free Height
16	Spring	75-72	VS-673		VIN Code "M"; 2.5800" Free Height
16	Spring	73-72	VS-675		VIN Code "P"; Incl. damper; 2.2300" Free Height
QTY	VALVE SEAL				DESCRIPTION
		YEARS	PART NO.		
8	Valve Stem Seal	78-73	ST-2004		Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	78-72	ST-2002		Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	78-72	ST-2014		Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
8	Valve Stem Seal	78-72	ST-2048		Int.; O.E. design; Positive type; Viton®
8	Valve Stem Seal	78-76	MV-1918		Exh.; Umbrella type; Viton®
8	Valve Stem Seal	75-73	MV-1707C		Exh.; Umbrella type; Polyacrylate
16	Valve Stem Seal	72	MV-1707C		Exh. & Int.; Umbrella type; Polyacrylate
8	Valve Stem Seal Bulk	78-73	ST-2004BC		Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	78-72	ST-2002BC		Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	78-72	ST-2014BC		Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
8	Valve Stem Seal Bulk	75-73	MV-1707		Exh.; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	72	MV-1707		Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT				DESCRIPTION
		YEARS	PART NO.		
8	Exh.	78-72	245-1875-1N	Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
8	Exh.	78-72	245-1875-1	Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
8	Int.	78-72	245-2250-1	Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
QTY	VALVE, MISC				DESCRIPTION
		YEARS	PART NO.		
16	Keeper	78-72	VK-174		Exh.; 4 groove
16	Keeper	78-72	VK-174R		Exh.; 4 groove; Hardened
16	Keeper	78-72	VK-66		Int.; 2 groove
16	Keeper	78-72	VK-66R		Int.; 2 groove; Hardened
16	Spring Insert	78-72	259-103C		.015"; ID 1.030"; Carton of 100
16	Spring Insert	78-72	259-103B		.030"; ID 1.030"; Carton of 100
16	Spring Insert	78-72	259-103BRS		.030"; ID 1.030"; Carton of 500
16	Spring Insert	78-72	259-103A		.060"; ID 1.030"; Carton of 100

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

55 6.6L 400 OHV V8, 4.342" Bore 1978-72

(cont.) VIN Codes "M" 1972-76, "N" 1974-78, "P" 1972-78

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
16	Spring Insert	78-72	259-103ARS	.060"; ID 1.030"; Carton of 500	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
8	Cast Piston	78-72	406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
8	Cast Piston - Individual	78-72	W406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
8	Pin	78-72	P-1940 Std-3	Pin bushing not req'd.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	78-72	E-318K Std-30	2-5/64, 1-3/16	
1	Standard Set	78-72	E-318X Std-30	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	78-72	WE-318K30 30	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	78-72	WE-318X Std Only	2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	78-72	4094M Std-10-20-30-40-60	3.453" max. flange OD	
1	Rod Set	78-72	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
1	Rod Set	78-72	8-2320CA60 60	Unplated & resizeable	
8	Rod Pair	78-72	2320CP Std-1-10-20-30-40-50		
1	Cam Set	78-72	1453M Std Only	Babbitt material; Full round design	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	78-72	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter	
1	Oil Pump	78-72	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter	
1	Oil Pump	78-72	224-4174	Use original cover plate on Eng. w/canister oil filter	
1	Pump Repair Kit	78-72	224-5174		
1	Inter. Shaft	78-72	224-6174		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	78-72	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	78-72	260-4011		
1	Valley Pan Gasket Set	78-72	260-4034	Premium Set; Performance manifold gskts. incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	78-72	381-8011		
1	Steel Block Plug Kit	78-72	381-4031		
RE-RING KIT	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	78-72	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	205-642	205-142
OVERHAUL KIT	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	78-75	VIN Codes "N" & "P"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; w/3.453" max. brg. flange OD; Incl. rlr. type chain	Master w/o Pistons	MK-642E	MK-142E
	76-75	VIN Code "M"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons	MKP-642A MK-642A	MKP-142A MK-142A
	74	VIN Codes "N" & "P"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master w/o Pistons	MK-642D	MK-142D
	74-72	VIN Code "M"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons	MKP-642A MK-642A	MKP-142A MK-142A
	73-72	VIN Code "P"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master w/o Pistons	MK-642D	MK-142D
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	65-59	KT3-495S	Exc. Hi-Perf.; Exc. Eng. w/Ram manifold; Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291	
1	3 Piece Set	65-59	KT3-168S	Hi-Perf.; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
1	Timing Chain	65-59	222-495	Exc. Hi-Perf.; Silent type; 50 Links	
1	Timing Chain	65-59	222-168	Hi-Perf.; Double rlr.; 66 Links	

56 6.7L 413 OHV V8, 4.1875" Bore 1965-59

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

6.7L 413 OHV V8, 4.1875" Bore 1965-59 **56**
(cont.)

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Crank Sprocket	65-59	223-291	Exc. Hi-Perf.; Use w/silent type chain; 19 Teeth
1	Crank Sprocket	65-59	223-339	Hi-Perf.; Double row; 25 Teeth
1	Cam Sprocket	65-59	223-290	Exc. Hi-Perf.; Exc. Eng. w/Ram manifold; Use w/silent type chain; 38 Teeth
1	Cam Sprocket	65-59	223-380	Hi-Perf.; Double row; 50 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	65-59	CS-327	Hyd.; 1.830" - 1.860" Length
16	Lifter	65-59	HT-812 Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
16	Lifter, Bulk	65-59	HT-812B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	65-59	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	65-59	KC-327A	Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	65-59	RP-3034	9.3750" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	65-59	R-829	L.H.
16	Arm	65-59	R-828	R.H.
2	Rocker Shaft	65-59	RS-612	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	65-64	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.
8	Exhaust	63	V-1339 Std Only	300, Imperial, New Yorker, Newport, Town & Country; 1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.
8	Exhaust	62-59	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.
8	Intake	65-64	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
8	Intake	63	V-1386 Std Only	Exc. Dodge & Plymouth; 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
8	Intake	62-59	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	65-59	VG-5007	Exh.; Repair type bushing; w/.371" stem dia.; .3725" ID, 2.3800" O.A.L.
8	Guide, Bulk	65-59	VG-5007B	Exh.; Repair type bushing; w/.371" stem dia.; Carton of 50; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	65-59	VS-673	2.5800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	65-59	ST-2002	Exc. Eng. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	65-59	MV-1707C	Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	65-59	ST-2002BC	Exc. Eng. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	65-59	MV-1707	Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	65-64	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	65-64	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	65-64	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
8	Exh.	63	245-1750-2N Std Only	300, Imperial, New Yorker, Newport, Town & Country; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	63	245-1750-2 Std Only	300, Imperial, New Yorker, Newport, Town & Country; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	63	245-2000-1 Std Only	Dodge & Plymouth; 2.0055" OD, 1.7500" ID, .2160" Depth
8	Int.	63	245-2250-1 Std Only	300, Imperial, New Yorker, Newport, Town & Country; 2.2555" OD, 1.9375" ID, .1855" Depth
8	Exh.	62-59	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	62-59	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	62-59	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	65-64	VK-174	Exh.; 4 groove
16	Keeper	65-64	VK-174R	Exh.; 4 groove; Hardened
16	Keeper	65-64	VK-66	Int.; 2 groove
16	Keeper	65-64	VK-66R	Int.; 2 groove; Hardened
16	Keeper	63	VK-138	Exh. & Int.; Dodge & Plymouth; 1 groove; Square cut key groove
16	Keeper	63	VK-138R	Exh. & Int.; Dodge & Plymouth; 1 groove; Square cut key groove; Hardened
16	Keeper	63-59	VK-174	Exh.; Chrysler; 4 groove
16	Keeper	63-59	VK-174R	Exh.; Chrysler; 4 groove; Hardened
16	Keeper	63-59	VK-66	Int.; Chrysler; 2 groove
16	Keeper	63-59	VK-66R	Int.; Chrysler; 2 groove; Hardened

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

56 6.7L 413 OHV V8, 4.1875" Bore 1965-59

(cont.)

B L O C K	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Keeper, Bulk	63	VK-138B	Exh. & Int.; Dodge & Plymouth; 1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	65-59	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	65-59	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	65-59	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	65-59	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	65-59	259-103ARS	.060"; ID 1.030"; Carton of 500
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	65-59	238P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 2.000" CD, 1.0939" Pin Dia., Flat Head - 9.7:1 C.R.
	8	Cast Piston - Individual	65-59	W238P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 2.000" CD, 1.0939" Pin Dia., Flat Head - 9.7:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	65-59	E-287X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	65-59	WE-287X Std-30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	65-59	4924MA Std-10-20-30	A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD
	1	Rod Set	65-59	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
	1	Rod Set	65-59	8-2320CA60 60	Unplated & resizeable
	8	Rod Pair	65-59	2320CP Std-1-10-20-30-40-50	
	1	Cam Set	65-59	1453M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	65-59	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter
	1	Oil Pump	65-59	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	65-59	224-4174	Use original cover plate on Eng. w/canister oil filter
	1	Pump Repair Kit	65-59	224-5174	
	1	Inter. Shaft	65-59	224-6174	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	65-63	260-1001	w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	65-59	260-4019	
	1	Valley Pan Gasket Set	65-59	260-4035	Premium Set; Performance manifold gskts. incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	65-59	381-8011	
	1	Steel Block Plug Kit	65-59	381-4031	

57 7.0L 426 OHV V8, 4.25" Bore 1971-63

VIN Codes "H" 1966, "J" 1967-70, "R" 1967 & 1970-71

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	71-66	KT3-168SA	w/3 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-340A
	1	3 Piece Set	65-63	KT3-168S	Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380
	1	3 Piece Set	65-63	KT3-495S	Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291
	1	Timing Chain	71-66	222-168	Double rlr.; 66 Links
	1	Timing Chain	65-63	222-168	Double rlr.; 66 Links
	1	Timing Chain	65-63	222-495	Silent type; 50 Links
	1	Crank Sprocket	71-66	223-339	Double row; 25 Teeth
	1	Crank Sprocket	65-63	223-339	Double row; 25 Teeth
	1	Crank Sprocket	65-63	223-291	Use w/silent type chain; 19 Teeth
	1	Cam Sprocket	71-66	223-340A	w/3 bolt cam sprocket mounting; Double row; 50 Teeth
	1	Cam Sprocket	65-63	223-380	Double row; 50 Teeth
	1	Cam Sprocket	65-63	223-290	Use w/silent type chain; 38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	66-64	CS-327	Exc. Hemi Eng.
V A L V E T R A I N	16	Lifter	71-70	HT-2011R Std Only	Exc. Hemi Eng.; Hyd. Hi-Rev
	16	Lifter	66	AT-2084 Std Only	Exc. Hemi Eng.; Dumbbell shaped mech.
	16	Lifter	65-63	AT-2084 Std Only	Exc. Hemi Eng.; Dumbbell shaped mech.
	16	Lifter	65-63	HT-812 Std Only	Exc. Hemi Eng.; Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	66	AT-2084B Std Only	Exc. Hemi Eng.; Dumbbell shaped mech.; Carton of 117
	16	Lifter, Bulk	65-63	AT-2084B Std Only	Exc. Hemi Eng.; Dumbbell shaped mech.; Carton of 117
	16	Lifter, Bulk	65-63	HT-812B Std Only	Exc. Hemi Eng.; Hyd.; Carton of 117; 1.830" - 1.860" Length
	1	Prelube	66-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

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Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

7.0L 426 OHV V8, 4.25" Bore 1971-63 57				
VIN Codes "H" 1966, "J" 1967-70, "R" 1967 & 1970-71 (cont.)				
QTY 1	CAM KIT Cam/Lifter Kit	YEARS 65-64	PART NO. KC-327A	DESCRIPTION Exc. Hemi Engs.; Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B
QTY 16	PUSH ROD Push Rod	YEARS 66-64	PART NO. RP-3034	DESCRIPTION Exc. Hemi Engs.; 9.3750" O.A.L.
QTY 8 8 2	ROCKER PARTS Arm Arm Rocker Shaft	YEARS 71-64 71-64 71-64	PART NO. R-829 R-828 RS-612	DESCRIPTION L.H.; Exc. Hemi Engs.; Non-adj. R.H.; Exc. Hemi Engs.; Non-adj. Exc. Hemi Engs.; Stock replacement
QTY 8 8 8	VALVE Exhaust Exhaust Intake	YEARS 66-65 64 66-64	PART NO. V-1339 Std Only V-1339 Std Only V-1386 Std Only	DESCRIPTION 1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L. Exc. Max. Perf. Engs.; 1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L. 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
QTY 16 8 8 8 8 8	VALVE GUIDE Guide Guide Guide Guide Guide, Bulk Guide, Bulk	YEARS 71-66 71-64 71-64 65-64 71-64 71-64	PART NO. VG-5042 VG-5007 VG-5007T VG-5073 VG-5007B VG-5007TB	DESCRIPTION .3120" ID, 2.3800" O.A.L. Exh.; .3725" ID, 2.3800" O.A.L. Exh.; Threaded; .3725" ID, 2.3800" O.A.L. Int.; .3745" ID, 2.3750" O.A.L. Exh.; Carton of 50; .3725" ID, 2.3800" O.A.L. Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY 16 16	VALVE SPRING Spring Spring	YEARS 71-70 66-64	PART NO. VS-701 VS-673	DESCRIPTION Incl. damper; 2.1500" Free Height 2.5800" Free Height
QTY 16 16 16 16 16 16 16	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk Valve Stem Seal Bulk Valve Stem Seal Bulk Valve Stem Seal Bulk	YEARS 71-64 65-63 66-64 71-64 66-64 65-63	PART NO. ST-2002 ST-2019R MV-1707C ST-2002BC MV-1707 ST-2019RBC	DESCRIPTION Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate Hi-Perf.; Positive type; Premium design; PTFE Exh. & Int.; Umbrella type; Polyacrylate Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate Hi-Perf.; Positive type; Premium design; Carton of 100; PTFE
QTY 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16	VALVE, MISC Keeper Keeper Keeper Keeper Keeper Keeper Keeper Keeper Keeper, Bulk Keeper, Bulk Spring Insert Spring Insert Spring Insert Spring Insert Spring Insert	YEARS 71-66 71-66 66-64 66-64 65-64 65-64 64 64 71-66 64 71-64 71-64 71-64 71-64 71-64	PART NO. VK-144 VK-144R VK-66 VK-66R VK-174 VK-174R VK-138 VK-138R VK-144B VK-138B 259-103C 259-103B 259-103BRS 259-103A 259-103ARS	DESCRIPTION Exh. & Int.; 1 groove; Square cut key groove Exh. & Int.; 1 groove; Square cut key groove; Hardened Int.; 2 groove Int.; 2 groove; Hardened Exh.; 4 groove Exh.; 4 groove; Hardened Max. Perf. Engs.; 1 groove; Square cut key groove Max. Perf. Engs.; 1 groove; Square cut key groove; Hardened Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000 Max. Perf. Engs.; 1 groove; Square cut key groove; Carton of 1000 .015"; ID 1.030"; Carton of 100 .030"; ID 1.030"; Carton of 100 .030"; ID 1.030"; Carton of 500 .060"; ID 1.030"; Carton of 100 .060"; ID 1.030"; Carton of 500
QTY 1 1 8 8	RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set	YEARS 71-63 71-63 71-63 71-63	PART NO. E-233K Std-20-30-40-60 E-233X Std-20-30-40-60 WE-233K Std-20-30-40-60 WE-233X Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16
QTY 8 8	SLEEVE Repair Sleeve Repair Sleeve	YEARS 71-64 71-64	PART NO. SL-24Y Std Only SL-24M Std Only	DESCRIPTION 1/8" wall, must be cut to correct length 3/32" wall, must be cut to correct length
QTY 1 1 1 8 1	ENGINE BEARINGS Main Set Rod Set Rod Set Rod Pair Cam Set	YEARS 71-63 71-63 71-63 71-63 71-63	PART NO. 4924MA Std-10-20-30 8-2320CP Std-10-20-30-40-50 8-2320CA60 60 2320CP Std-1-10-20-30-40-50 1453M Std Only	DESCRIPTION A-Series aluminum bearings ; Partial grooved; 3.624" max. flange OD 8-2320CA 60 avail. as unplated & resizeable Unplated & resizeable Babbitt material; Full round design

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

57 7.0L 426 OHV V8, 4.25" Bore 1971-63

(cont.) VIN Codes "H" 1966, "J" 1967-70, "R" 1967 & 1970-71

BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	71-63	224-4174	Exc. Hemi Engs.; Use original cover plate on Engs. w/canister oil filter	
	1	Oil Pump	71-63	224-43366A	High Pressure; Use original cover plate on Engs. with canister oil filter	
	1	Oil Pump	71-63	224-4174V	High-Volume; Use original cover plate on Engs. w/canister oil filter	
	1	Pump Repair Kit	71-63	224-5174		
	1	Inter. Shaft	71-63	224-6174		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Valley Pan Gasket Set	65-64	260-4019	Exc. Hemi Engs.	
	1	Valley Pan Gasket Set	65-64	260-4035	Exc. Hemi Engs.; Premium Set; Performance manifold gskts. incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	71-63	381-8011		
	1	Steel Block Plug Kit	71-63	381-4031		

58 7.2L 440 OHV V8, 4.32" Bore 1978-66

VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	78-73	KT3-501S	Exc. VIN Code "U"; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	3 Piece Set	78-73	KT3-168S	VIN Code "U"; w/1 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	78-73	KT3-168SA	VIN Code "U"; w/3 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-340A	
	1	3 Piece Set	72-70	KT3-501S	Exc. VIN Codes "U" & "V"; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	3 Piece Set	72-70	KT3-168S	VIN Codes "U" & "V"; w/1 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	72-70	KT3-168SA	VIN Codes "U" & "V"; w/3 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-340A	
	1	3 Piece Set	69	KT3-501S	Exc. VIN Code "M"; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	3 Piece Set	69	KT3-168S	VIN Code "M"; w/1 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-380	
	1	3 Piece Set	69	KT3-168SA	VIN Code "M"; w/3 bolt cam sprocket mounting; Incl. rlr. type chain; Incl. (1) 222-168, (1) 223-339, (1) 223-340A	
	1	3 Piece Set	68-66	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	Timing Chain	78-75	222-501	Exc. VIN Code "U"; Silent type; 50 Links	
	1	Timing Chain	78-75	222-168	VIN Code "U"; Double rlr.; 66 Links	
	1	Timing Chain	74-73	222-501	Exc. VIN Code "U"; Silent type; 50 Links	
	1	Timing Chain	74-73	222-168	VIN Code "U"; Double rlr.; 66 Links	
	1	Timing Chain	72-70	222-501	Exc. VIN Codes "U" & "V"; Silent type; 50 Links	
	1	Timing Chain	72-70	222-168	VIN Codes "U" & "V"; Double rlr.; 66 Links	
	1	Timing Chain	69	222-501	Exc. VIN Code "M"; Silent type; 50 Links	
	1	Timing Chain	69	222-168	VIN Code "M"; Double rlr.; 66 Links	
	1	Timing Chain	68-66	222-501	Silent type; 50 Links	
	1	Crank Sprocket	78-75	223-339	VIN Code "U"; Double row; 25 Teeth	
	1	Crank Sprocket	74-73	223-339	VIN Code "U"; Double row; 25 Teeth	
	1	Crank Sprocket	72-70	223-339	VIN Codes "U" & "V"; Double row; 25 Teeth	
	1	Crank Sprocket	69	223-339	VIN Code "M"; Double row; 25 Teeth	
	1	Cam Sprocket	78-75	223-380	VIN Code "U"; w/1 bolt cam sprocket mounting; Double row; 50 Teeth	
	1	Cam Sprocket	74-73	223-380	VIN Code "U"; w/1 bolt cam sprocket mounting; Double row; 50 Teeth	
	1	Cam Sprocket	72-70	223-340A	VIN Code "V"; w/3 bolt cam sprocket mounting; Double row; 50 Teeth	
	1	Cam Sprocket	72-70	223-380	VIN Codes "U" & "V"; w/1 bolt cam sprocket mounting; Double row; 50 Teeth	
	1	Cam Sprocket	69	223-340A	VIN code "M"; w/3 bolt cam sprocket mounting; Double row; 50 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	78-73	CS-327	Exc. VIN Code "U"	
	1	Camshaft	78-72	CS-661	VIN Code "U"	
	1	Camshaft	72-70	CS-327	Exc. VIN Codes "U" & "V"	
	1	Camshaft	69	CS-327	Exc. VIN Code "M"	
	1	Camshaft	68-66	CS-327		

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

7.2L 440 OHV V8, 4.32" Bore 1978-66 **58**

VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72 (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	(cont.) Lifter	78-73	HT-976 Std Only	Hyd.
	16	Lifter	72-70	HT-976 Std Only	Exc. VIN Code "V"; Hyd.
	16	Lifter	72-70	HT-2011R Std Only	VIN Code "V"; Hyd. Hi-Rev
	16	Lifter	69-68	HT-976 Std Only	Hyd.
	16	Lifter	67-66	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	78-73	HT-976B Std Only	Hyd.; Carton of 117
	16	Lifter, Bulk	72-70	HT-976B Std Only	Exc. VIN Code "V"; Hyd.; Carton of 117
	16	Lifter, Bulk	69-68	HT-976B Std Only	Hyd.; Carton of 117
	16	Lifter, Bulk	67-66	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	1	Prelube	78-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	78-73	KC-327	Exc. VIN Code "U"; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	78-73	KC-661	VIN Code "U"; Hyd.; Incl. (1) CS-661, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	72	KC-661	VIN Code "U"; Hyd.; Incl. (1) CS-661, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-327	Exc. VIN Codes "U" & "V"; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	69	KC-327	Exc. VIN Code "M"; Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	68	KC-327	Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
	1	Cam/Lifter Kit	67-66	KC-327A	Hyd.; Incl. (1) CS-327, (16) HT-812, (1) 55-403B
	1	Cam/Lifter/Timing Kit	78-73	KCT-327	Exc. VIN Code "U"; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-327	Exc. VIN Codes "U" & "V"; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69	KCT-327	Exc. VIN Code "M"; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	68	KCT-327	Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	78-68	RP-3221R	w/o oil hole; Chrome-Moly; 9.2950" O.A.L.
	16	Push Rod	78-68	RP-3193	9.3150" O.A.L.
	16	Push Rod	67-66	RP-3034	9.3750" O.A.L.
	16	Push Rod, Bulk	78-68	BRP-3193	Carton of 100; 9.3150" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	78-66	R-829	L.H.
	8	Arm	78-66	R-828	R.H.
	2	Rocker Shaft	78-66	RS-612	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	78-68	V-1900 Std Only	4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.
VALVE TRAIN	8	Exhaust	67-66	V-1339 Std Only	1.5980" Head Dia., .3715" Stem Dia., 4.8900" O.A.L.
	8	Intake	78-73	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	8	Intake	72-70	V-1386 Std Only	Exc. VIN Code "V"; 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	8	Intake	69-66	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	78-66	VG-5073	Exh. & Int.; .3745" ID, 2.3750" O.A.L.
	16	Guide	78-66	VG-5088	Exh. & Int.; Bronze; .3735" ID, 2.6250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	78-73	VS-675	VIN Code "U"; Incl. damper; 2.2300" Free Height
	16	Spring	72-70	VS-675	VIN Code "U"; Incl. damper; 2.2300" Free Height
	16	Spring	72-70	VS-701	VIN Code "V"; Incl. damper; 2.1500" Free Height
	16	Spring	69-66	VS-673	2.5800" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	78-73	ST-2048	Int.; O.E. design; Positive type; Viton®
	16	Valve Stem Seal	78-66	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	78-66	ST-2014	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	8	Valve Stem Seal	78-76	MV-1918	Exh.; Umbrella type; Viton®
	8	Valve Stem Seal	75-73	MV-1707C	Exh.; Umbrella type; Polyacrylate
	16	Valve Stem Seal	72-66	MV-1707C	Exh. & Int.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	78-66	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

58 7.2L 440 OHV V8, 4.32" Bore 1978-66

(cont.) VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72

V A L V E T R A I N	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal Bulk	78-66	ST-2014BC	Exh. & Int.; Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	8	Valve Stem Seal Bulk	75-73	MV-1707	Exh.; Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	72-66	MV-1707	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	78-68	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	8	Exh.	78-68	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	8	Int.	78-66	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	78-73	VK-66	Int.; 2 groove
	16	Keeper	78-73	VK-66R	Int.; 2 groove; Hardened
	16	Keeper	78-66	VK-174	Exh.; 4 groove
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	78-68	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	8	Exh.	78-68	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	8	Int.	78-66	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	78-73	VK-66	Int.; 2 groove
	16	Keeper	78-73	VK-66R	Int.; 2 groove; Hardened
	16	Keeper	78-66	VK-174	Exh.; 4 groove
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	78-66	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	72-70	VK-66	Int.; Exc. VIN Code "V"; 2 groove
	16	Keeper	72-70	VK-66R	Int.; Exc. VIN Code "V"; 2 groove; Hardened
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	72-70	VK-138	Int.; VIN Code "V"; 1 groove; Square cut key groove
	16	Keeper	72-70	VK-138R	Int.; VIN Code "V"; 1 groove; Square cut key groove; Hardened
	16	Keeper	69-66	VK-66	Int.; 2 groove
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	69-66	VK-66R	Int.; 2 groove; Hardened
	16	Keeper, Bulk	72-70	VK-138B	Int.; VIN Code "V"; 1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	78-66	259-103C	.015"; ID 1.030"; Carton of 100
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Spring Insert	78-66	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	78-66	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	78-66	259-103A	.060"; ID 1.030"; Carton of 100
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Spring Insert	78-66	259-103ARS	.060"; ID 1.030"; Carton of 500
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	78-73	424NP Std-20-30-40-60	Exc. VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston	78-73	424P Std-20-30-40-60	Exc. VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston	72	424NP Std-20-30-40-60	Exc. VIN Codes "U" & "V"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	72	424P Std-20-30-40-60	Exc. VIN Codes "U" & "V"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston	71-70	350NP30 30-40-60	VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head
	8	Cast Piston	71-70	350P30 + 30-40-60	VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use 350NP 30
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	69	350NP30 30-40-60	Exc. VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head
	8	Cast Piston	69	350P30 + 30-40-60	Exc. VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use 350NP 30
	8	Cast Piston	68-66	350NP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	68-66	350P30 + 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use 350NP 30
	8	Cast Piston - Individual	78-73	W424NP * Std-30	Exc. VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston - Individual	78-73	W424P Std-30	Exc. VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	72	W424NP * Std-30	Exc. VIN Codes "U" & "V"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston - Individual	72	W424P Std-30	Exc. VIN Codes "U" & "V"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
	8	Cast Piston - Individual	71-70	W350NP30 30-40	VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	71-70	W350P30 + 30-40	VIN Code "U"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use W350NP 30
	8	Cast Piston - Individual	69	W350NP30 30-40	Exc. VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

7.2L 440 OHV V8, 4.32" Bore 1978-66 58

VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	69	W350P30 + 30-40	Exc. VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use W350NP 30
	8	Cast Piston - Individual	68-66	W350NP30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head
	8	Cast Piston - Individual	68-66	W350P30 + 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.990" CD, 1.0939" Pin Dia., Flat Head; When depleted use W350NP 30
	8	Powerforged	72-70	L-2355F Std-30-40-60	VIN Code "V"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 2.061" CD, 1.0939" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	71	L-2266F Std-30-40-60	VIN Code "U"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Powerforged	70	L-2266F Std-30-40-60	VIN Code "T"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Powerforged	67-66	L-2266F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	72-70	WL-2355F Std-30-40-60	VIN Code "V"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 2.061" CD, 1.0939" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	71	WL-2266F Std-30-40-60	VIN Code "U"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	70	WL-2266F Std-30-40-60	VIN Code "T"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-66	WL-2266F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.991" CD, 1.0939" Pin Dia., Flat Head. DurOshield® skirt coated piston.
	8	Pin	78-66	P-1940 Std-3	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-66	E-424K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	78-66	E-424X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	78-66	WE-424K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	78-66	WE-424X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	78-74	5025MA Std-10-20-30	A-Series aluminum bearings; Partial grooved; 3.930" max. flange OD
	1	Main Set	74-66	4924MA Std-10-20-30	A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD
	1	Rod Set	78-66	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
	1	Rod Set	78-66	8-2320CA60 60	Unplated & resizeable
	8	Rod Pair	78-66	2320CP Std-1-10-20-30-40-50	
	1	Cam Set	78-66	1453M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	78-73	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter
	1	Oil Pump	78-73	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	78-73	224-4174	Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	72-70	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter
	1	Oil Pump	72-70	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	72-70	224-4174	Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	69-66	224-43366A	High Pressure; Use original cover plate on Eng. with canister oil filter
	1	Oil Pump	69-66	224-4174V	High-Volume; Use original cover plate on Eng. w/canister oil filter
	1	Oil Pump	69-66	224-4174	Use original cover plate on Eng. w/canister oil filter
	1	Pump Repair Kit	78-73	224-5174	
	1	Pump Repair Kit	72-70	224-5174	
	1	Pump Repair Kit	69-66	224-5174	
	1	Inter. Shaft	78-73	224-6174	
	1	Inter. Shaft	72-70	224-6174	
	1	Inter. Shaft	69-66	224-6174	
	1	Screen Assy.	70-67	224-15055	Exc. VIN Code "U"
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	78-66	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	78-66	260-4019	

(continued on next page)

+ Superseded Part Number

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

58 7.2L 440 OHV V8, 4.32" Bore 1978-66

(cont.) VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72

QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION		
1	Valley Pan Gasket Set	78-66	260-4035	Premium Set; Performance manifold gskts. incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	78-66	381-8011			
1	Steel Block Plug Kit	78-66	381-4031			
RE-RING KIT						
YEARS	DESCRIPTION				PREMIUM KIT NO.	ECONOMY KIT NO.
78-74	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.			Re-ring w/Mains	205-632AM	205-132AM
78-74	Int. manifold gskt. not incl.; Premium valve stem seals incl.			Re-ring	205-632A	205-132A
74-66	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.			Re-ring w/Mains	205-632M	205-132M
73-66	Int. manifold gskt. not incl.; Premium valve stem seals incl.			Re-ring	205-632A	205-132A
OVERHAUL KIT						
YEARS	DESCRIPTION				PREMIUM KIT NO.	ECONOMY KIT NO.
78-77	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. silent type chain			Master Master w/o Pistons	MKP-632E MK-632E	MKP-132E MK-132E
78-77	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain; Use original cover plate on Engs. w/canister oil filter			Master w/o Rods & Mains	505-632G	505-132G
78-77	VIN Code "U"; w/1 bolt cam sprocket mounting; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. rlr. type chain			Master w/o Pistons	MK-632H	MK-132H
76-74	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. silent type chain			Master Master w/o Pistons	MKP-632E MK-632E	MKP-132E MK-132E
76-74	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain; Use original cover plate on Engs. w/canister oil filter			Master w/o Rods & Mains	505-632G	505-132G
76-74	VIN Code "U"; w/1 bolt cam sprocket mounting; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. rlr. type chain			Master w/o Pistons	MK-632H	MK-132H
74	VIN Code "U"; w/1 bolt cam sprocket mounting; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. rlr. type chain			Master w/o Pistons	MK-632F	MK-132F
74	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. silent type chain			Master Master w/o Pistons	MKP-632G MK-632G	MKP-132G MK-132G
73	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. silent type chain			Master Master w/o Pistons	MKP-632G MK-632G	MKP-132G MK-132G
73	Exc. VIN Code "U"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain; Use original cover plate on Engs. w/canister oil filter			Master w/o Rods & Mains	505-632G	505-132G

KITS

KITS

(continued on next page)

Chrysler Car (Incl. Chrysler, Dodge, Eagle & Plymouth)

7.2L 440 OHV V8, 4.32" Bore 1978-66 58				
VIN Codes "K" 1966-69, "L" 1966-69, "M" 1969, "T" 1970-78, "U" 1970-78, "V" 1970-72 (cont.)				
K I T S	OVERHAUL KIT (cont.)			
	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	73-72	VIN Code "U"; w/1 bolt cam sprocket mounting; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. rlr. type chain	Master w/o Pistons	MK-632F
	72	Exc. VIN Codes "U" & "V"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain	Master	MKP-632G
	72	Exc. VIN Codes "U" & "V"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain; Use original cover plate on Eng. w/canister oil filter	Master w/o Rods & Mains	505-632G
	72-70	Exc. VIN Codes "U" & "V"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain	Master w/o Pistons	MK-632G
	69	Exc. VIN Code "M"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain	Master w/o Pistons	MK-632G
	68	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain	Master w/o Pistons	MK-632G
	67-66	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.624" max. brg. flange OD; Premium valve stem seals incl.; Use original cover plate on Eng. w/canister oil filter; Incl. silent type chain	Master w/o Pistons	MK-632A

Chrysler Marine

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.)		1	4.4L 270 OHV V8 3.625" Bore (Dodge/Plymouth) ...	10
2.8L 170 OHV L6 3.4063" Bore		2	4.5L 273 OHV V8 3.625" Bore	11
3.0L 182 (2980cc) OHV L6 89mm Bore (12 Valve) (Volvo Eng.)		3	5.2L 318 OHV V8 3.9063" Bore	12
3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth)		4	5.4L 331 OHV V8 3.8125" Bore (Chrysler)	13
3.7L 225 OHV L6 3.4063" Bore		5	5.6L 340 OHV V8 4.04" Bore	1973-71 14
3.8L 230 L-HEAD L6 3.25" Bore (Dodge)		6	5.9L 360 OHV V8 4" Bore	15
3.9L 236.6 L-HEAD L6 3.4375" Bore (DeSoto)		7	5.9L 361 OHV V8 4.125" Bore	16
4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler)		8	6.3L 383 OHV V8 4.25" Bore	17
4.3L 265 L-HEAD L6 3.4375" Bore (Chrysler)		9	6.6L 400 OHV V8 4.342" Bore	18
			6.7L 413 OHV V8 4.1875" Bore	19
			7.0L 426 OHV V8 4.25" Bore	20
			7.2L 440 OHV V8 4.32" Bore	21

Chrysler Marine

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
M122D...Marine			130...Marine		
Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1	Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1
M122DT...Marine			183 CID -		
Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1	165HP...Marine		
115...Marine			Applications.....	3.0L 182 (2980cc) OHV L6 89mm Bore (12 Valve) (Volvo Eng.).....	3
Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1	183 CID -		
122 CID -			170HP...Marine		
115HP...Marine			Applications.....	3.0L 182 (2980cc) OHV L6 89mm Bore (12 Valve) (Volvo Eng.).....	3
Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1			
122 CID -					
130HP...Marine					
Applications.....	2.0L 121.2 (1986cc) OHV L4 89mm Bore (8 Valve) (Volvo Eng.).....	1			

Chrysler Marine

Model Index				
Model	Engine Description	Line No.	Model	Line No.
Ace M46...Marine Applications.....	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth).....	4	Super Bee II...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
Ace Special M46S...Marine Applications.....	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth).....	4	Super Bee III...Marine Applications.....	5.6L 340 OHV V8 4.04" Bore 14
Chrysler III...Marine Applications.....	5.6L 340 OHV V8 4.04" Bore 14		Super Bee III (Volvo)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
Chrysler Jet...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15		Super Bee III V-Drive...Marine Applications.....	5.6L 340 OHV V8 4.04" Bore 14
Crown M47...Marine Applications.....	3.9L 236.6 L-HEAD L6 3.4375" Bore (DeSoto).....	7	Super Bee III V-Drive...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
Crown Special M47S...Marine Applications.....	3.9L 236.6 L-HEAD L6 3.4375" Bore (DeSoto).....	7	Super Bee V-Drive...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
Jet II...Marine Applications ...	5.2L 318 OHV V8 3.9063" Bore ... 12		155 HP...Marine Applications.....	3.7L 225 OHV L6 3.4063" Bore 5
Jet III...Marine Applications ...	5.6L 340 OHV V8 4.04" Bore 14		175...Marine Applications	4.5L 273 OHV V8 3.625" Bore 11
M-426-B...Marine Applications.....	7.0L 426 OHV V8 4.25" Bore 20		195 (195 HP)...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
M-426-D...Marine Applications.....	7.0L 426 OHV V8 4.25" Bore 20		195 Special (195 HP)...Marine Applications ...	5.2L 318 OHV V8 3.9063" Bore ... 12
MA7-3...Marine Applications.....	4.3L 265 L-HEAD L6 3.4375" Bore (Chrysler).....	9	195 Stern Drive (195 HP)...Marine Applications ...	5.2L 318 OHV V8 3.9063" Bore ... 12
M26...Marine Applications	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth).....	4	200...Marine Applications	4.5L 273 OHV V8 3.625" Bore 11
M27...Marine Applications	4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler).....	8	210 (210 HP)...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
M36...Marine Applications	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth).....	4	215 (215 HP)...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
M37 Crown...Marine Applications.....	4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler).....	8	225 (225 HP)...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
M383...Marine Applications ...	6.3L 383 OHV V8 4.25" Bore 17		230 (230 HP)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
M383B...Marine Applications.....	6.3L 383 OHV V8 4.25" Bore 17		240 (240 HP)...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12
M45...Marine Applications	5.4L 331 OHV V8 3.8125" Bore (Chrysler).....	13	240 (240 HP)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
M45S...Marine Applications.....	5.4L 331 OHV V8 3.8125" Bore (Chrysler).....	13	240 Stern Drive (240 HP)...Marine Applications ...	5.2L 318 OHV V8 3.9063" Bore ... 12
M45SP...Marine Applications.....	5.4L 331 OHV V8 3.8125" Bore (Chrysler).....	13	250 (250 HP)...Marine Applications.....	5.6L 340 OHV V8 4.04" Bore 14
M47-4...Marine Applications ..	4.3L 265 L-HEAD L6 3.4375" Bore (Chrysler).....	9	250 (250 HP)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
M6...Marine Applications	3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth).....	4	260...Marine Applications	6.3L 383 OHV V8 4.25" Bore 17
M7...Marine Applications	4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler).....	8	265 (265 HP)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
M80...Marine Applications	5.2L 318 OHV V8 3.9063" Bore ... 12		275 (275 HP)...Marine Applications.....	5.9L 360 OHV V8 4" Bore 15
M80A...Marine Applications.....	5.2L 318 OHV V8 3.9063" Bore ... 12		280...Marine Applications	6.3L 383 OHV V8 4.25" Bore 17
M81 Imperial...Marine Applications.....	5.9L 361 OHV V8 4.125" Bore 16		280...Marine Applications	6.6L 400 OHV V8 4.342" Bore 18
Royal M44S...Marine Applications.....	4.4L 270 OHV V8 3.625" Bore (Dodge/Plymouth).....	10	300 (300 HP)...Marine Applications.....	7.2L 440 OHV V8 4.32" Bore 21
Super Bee...Marine Applications.....	4.5L 273 OHV V8 3.625" Bore 11		330 (330 HP)...Marine Applications.....	7.2L 440 OHV V8 4.32" Bore 21
			335 (335 HP)...Marine Applications.....	7.2L 440 OHV V8 4.32" Bore 21
			375 (375 HP)...Marine Applications.....	7.2L 440 OHV V8 4.32" Bore 21

2.0L 121.2 (1986cc) OHV L4 (8 Valve), 89mm Bore (Volvo Eng.) Marine Applications Eng. Codes "M122D", "M122DT", "115", "130"					1
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring		VS-855	1.8100" Free Height	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper		VK-204	3 groove; w/.3125 Stem Dia.	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set		6111M	Std Only	

Chrysler Marine

2 2.8L 170 OHV L6, 3.4063" Bore Marine Applications

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4092M Std-10-20-30	
1	Rod Set		6-2375CP Std-10-20-30-40	6-2375CA 60 avail. as unplated & resizeable
6	Rod Pair		2375CP Std-10-20-30-40	
1	Cam Set		1454M Std Only	

3 3.0L 182 (2980cc) OHV L6 (12 Valve), 89mm Bore (Volvo Eng.) Marine Applications Eng. Codes "165", "170"

QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring		VS-855	1.8100" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper		VK-204	3 groove; w/.3125 Stem Dia.

4 3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.25" Bore Marine Applications M6, M26, M36, Ace M46, Ace Special M46S

QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust		V-1351 Std Only	1.4070" Head Dia., .3405" Stem Dia., 4.8410" O.A.L.
6	Intake		V-1086 Std Only	1.5310" Head Dia., .3405" Stem Dia., 4.8450" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide		VG-419	Exh.; Install taper end down; .3445" ID, 2.8130" O.A.L.
6	Guide		VG-420	Int.; Install taper end down; .3425" ID, 2.8130" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring		VS-304	M6, M26 & M36 Engs.; 2.0000" Free Height
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Int.		245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
6	Int.		245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper		VK-63	2 groove; Round key groove
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston		37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
6	Cast Piston - Individual		W37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
6	Pin Bushing		8649XAS	Full round, thin wall .0055" O/S OD bushing
6	Pin Bushing		8649XA	Full round, thin wall bushing w/.9150" OD
6	Pin Bushing		8649V	Split type, thin wall bushing w/.9135" OD
6	Pin Bushing		8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-108KC Std-30-60	2-3/32, 2-5/32
1	Standard Set		E-108X Std-30-40-60	2-3/32, 2-5/32
6	Standard Single Cylinder Set		WE-108X Std-30	2-3/32, 2-5/32
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve		SL-123M Std Only	3/32" wall, cut to length; Press fit sleeve
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		415M Std-10-20-30-40	
1	Rod Set		6-9185CP Std-10-20-30-40	
6	Rod Pair		9185CP Std-10-20-30-40	
1	Cam Set		1010M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump

5 3.7L 225 OHV L6, 3.4063" Bore Marine Applications 155HP

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set		KT3-495S	From Ser. No. 169355; Incl. silent type chain; Incl. (1) 222-495, (1) 223-290, (1) 223-291
1	Timing Chain		222-495	From Ser. No. 169355; Silent type; 50 Links
1	Timing Chain		222-168	To Ser. No. 169354; Double rlr.; 66 Links
1	Crank Sprocket		223-291	From Ser. No. 169355; Use w/silent type chain; 19 Teeth
1	Crank Sprocket		223-339	To Ser. No. 169354; Double row; 25 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
12	Lifter		AT-937 Std Only	Barrel shaped mech.
12	Lifter, Bulk		AT-937B Std Only	Barrel shaped mech.; Carton of 117
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod		RP-3036	9.9540" O.A.L.

(continued on next page)

Chrysler Marine

3.7L 225 OHV L6, 3.4063" Bore 5
Marine Applications 155HP (cont.)

VALVE TRAIN	QTY 12	PUSH ROD (cont.) Push Rod, Bulk	YEARS	PART NO. BRP-3036	DESCRIPTION Carton of 100; 9.9540" O.A.L.
	QTY 6 6 6	VALVE Exhaust Exhaust, Bulk Intake	YEARS	PART NO. V-4093 Std-15 V-4093B15 15 V-1434 Std Only	DESCRIPTION 1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L. Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L. 2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.
	QTY 6 6 6	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk	YEARS	PART NO. MV-1918 MV-1771C MV-1771	DESCRIPTION Exh.; Umbrella type; Viton® Int.; Umbrella type; Polyacrylate Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY 12 12 12 12	VALVE, MISC Keeper Keeper Keeper Keeper	YEARS	PART NO. VK-174 VK-174R VK-66 VK-66R	DESCRIPTION Exh.; 4 groove Exh.; 4 groove; Hardened Int.; 2 groove Int.; 2 groove; Hardened
	QTY 6 6 6	PISTON Cast Piston Cast Piston - Individual Pin Bushing	YEARS	PART NO. 244NP Std-20-30-40-60-80 W244NP Std-20-30-40-60-80 2134Y	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R. Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
	QTY 1 1 6 6	RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set	YEARS	PART NO. E-196K Std-20-30-40-60 E-196X Std-20-30-40-60 WE-196K Std-20-30-40-60 WE-196X Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16
	QTY 1 1 1 1 6 6 1 1	ENGINE BEARINGS Main Set Main Set Rod Set Rod Set Rod Pair Rod Pair Cam Set Cam Set	YEARS	PART NO. 5070M Std-10-20-30-40 4092M Std-10-20-30 6-3695RA Std-10-20-30-40 6-2375CP Std-10-20-30-40 3695RA Std-1-10-20-30-40 2375CP Std-10-20-30-40 1454M Std Only 1473M Std Only	DESCRIPTION w/Forged crankshaft A-Series aluminum bearings W/Forged crankshaft; 6-2375CA 60 avail. as unplated & resizeable A-Series aluminum bearings W/Forged crankshaft
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS	PART NO. 381-8012	DESCRIPTION

3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore 6
Marine Applications

BLOCK	QTY 6 6	VALVE Exhaust Intake	YEARS	PART NO. V-1351 Std Only V-1086 Std Only	DESCRIPTION 1.4070" Head Dia., .3405" Stem Dia., 4.8410" O.A.L. 1.5310" Head Dia., .3405" Stem Dia., 4.8450" O.A.L.
	QTY 6 6	VALVE GUIDE Guide Guide	YEARS	PART NO. VG-419 VG-420	DESCRIPTION Exh.; Install taper end down; .3445" ID, 2.8130" O.A.L. Int.; Install taper end down; .3425" ID, 2.8130" O.A.L.
	QTY 12 12	VALVE SPRING Spring Spring	YEARS	PART NO. VS-506 VS-304	DESCRIPTION Use w/Rotocaps; 1.8570" Free Height 2.0000" Free Height
	QTY 6 6 6 6 6 6	PISTON Cast Piston Cast Piston - Individual Pin Bushing Pin Bushing Pin Bushing Pin Bushing	YEARS	PART NO. 37P Std-20-30-40-60-80 W37P Std-20-30-40-60-80 8649XAS 8649XA 8649V 8649V20	DESCRIPTION Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R. Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R. Full round, thin wall .0055" O/S OD bushing Full round, thin wall bushing w/.9150" OD Split type, thin wall bushing w/.9135" OD Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY 1 1 6	RINGS Premium Set Standard Set Standard Single Cylinder Set	YEARS	PART NO. E-108KC Std-30-60 E-108X Std-30-40-60 WE-108X Std-30	DESCRIPTION 2-3/32, 2-5/32 2-3/32, 2-5/32 2-3/32, 2-5/32
	QTY 1	SLEEVE Repair Sleeve	YEARS	PART NO. SL-123M Std Only	DESCRIPTION 3/32" wall, cut to length; Press fit sleeve

(continued on next page)

Chrysler Marine

6 3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore (cont.) Marine Applications					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set		415M	Std-10-20-30-40	
1	Rod Set		6-9185CP	Std-10-20-30-40	
6	Rod Pair		9185CP	Std-10-20-30-40	
1	Cam Set		1010M	Std Only	
7 3.9L 236.6 L-HEAD L6 (DeSoto), 3.4375" Bore Marine Applications Crown M47, Crown Special M47S					
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust		V-1004	Std Only	
6	Intake		V-1005	Std Only	
1.5010"	Head Dia.,			.3400" Stem Dia., 4.8450" O.A.L.	
1.7180"	Head Dia.,			.3410" Stem Dia., 4.8450" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide		VG-419	Exh.; Install taper end down; .3445" ID, 2.8130" O.A.L.	
6	Guide		VG-420	Int.; Install taper end up; .3425" ID, 2.8130" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring		VS-506	Use w/Rotocaps; 1.8570" Free Height	
12	Spring		VS-304	2.0000" Free Height	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper		VK-63	2 groove; Round key groove	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston		32NP	Std-20-30-40-60
	6	Cast Piston - Individual		W32NP	Std-20-30-40-60
	6	Pin Bushing		8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing		8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing		8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing		8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set		E-107X	Std-30-40-60
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		485M	Std-10-20-30-40
	6	Rod Pair		9560CPA	Std-10-20-30-40-50
	1	Cam Set		1011M	Std Only
8 4.1L 251 L-HEAD L6 (Chrysler), 3.4375" Bore Marine Applications M7, M27, M37 Crown					
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Intake		V-1005	Std Only	
1.7180"	Head Dia.,			.3410" Stem Dia., 4.8450" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide		VG-419	Exh.; Install taper end down; .3445" ID, 2.8130" O.A.L.	
6	Guide		VG-420	Int.; Install taper end up; .3425" ID, 2.8130" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
6	Valve Stem Seal		MV-1771C	Int.; Umbrella type; Polyacrylate	
6	Valve Stem Seal Bulk		MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper		VK-66	2 groove	
24	Keeper		VK-66R	2 groove; Hardened	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston		32NP	Std-20-30-40-60
	6	Cast Piston - Individual		W32NP	Std-20-30-40-60
	6	Pin Bushing		8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing		8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing		8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing		8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set		E-107X	Std-30-40-60
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		485M	Std-10-20-30-40
	6	Rod Pair		9560CPA	Std-10-20-30-40-50
	1	Cam Set		1011M	Std Only

Chrysler Marine

4.3L 265 L-HEAD L6 (Chrysler), 3.4375" Bore					9	
Marine Applications M47-4, MA7-3						
BLOCK	QTY 6	VALVE GUIDE Guide	YEARS	PART NO. VG-419	DESCRIPTION Exh.; .3445" ID, 2.8130" O.A.L.	BLOCK
	QTY 12	VALVE SPRING Spring	YEARS	PART NO. VS-304	DESCRIPTION 2.0000" Free Height	
	QTY 24	VALVE, MISC Keeper	YEARS	PART NO. VK-63	DESCRIPTION 2 groove; Round key groove	
	QTY 6	PISTON Cast Piston	YEARS	PART NO. 32NP Std-20-30-40-60	DESCRIPTION Use w/E-107X ring set; Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
	6	Cast Piston - Individual		W32NP Std-20-30-40-60	Check piston grooving before supplying ring set; Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
	6	Pin Bushing		8649XAS	Full round, thin wall .0055" O/S OD bushing	
	6	Pin Bushing		8649XA	Full round, thin wall bushing w/.9150" OD	
	6	Pin Bushing		8649V	Split type, thin wall bushing w/.9135" OD	
	6	Pin Bushing		8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
	QTY 1	RINGS Standard Set	YEARS	PART NO. E-107X Std-30-40-60	DESCRIPTION 2-3/32, 2-5/32	
QTY 1 6 1	ENGINE BEARINGS Main Set Rod Pair Cam Set	YEARS	PART NO. 485M Std-10-20-30-40 9560CPA Std-10-20-30-40-50 1011M Std Only	DESCRIPTION		
4.4L 270 OHV V8 (Dodge/Plymouth), 3.625" Bore					10	
Marine Applications Royal M44S						
VALVE TRAIN	QTY 1 1	TIMING Timing Chain Crank Sprocket	YEARS	PART NO. 222-348 223-274	DESCRIPTION Silent type; 68 Links Use w/silent type chain; .750" wide sprocket; 23 Teeth	VALVE TRAIN
	QTY 16 16	CAMSHAFT/LIFTER Lifter Lifter, Bulk	YEARS	PART NO. HT-812 Std Only HT-812B Std Only	DESCRIPTION Hyd.; 1.830" - 1.860" Length Hyd.; Carton of 117; 1.830" - 1.860" Length	
	QTY 16	VALVE GUIDE Guide	YEARS	PART NO. VG-5062	DESCRIPTION .3735" ID, 2.3800" O.A.L.	
	QTY 8 8	VALVE SPRING Spring Spring, Bulk	YEARS	PART NO. VS-1435 VS-1435B	DESCRIPTION Int.; 1.9650" Free Height Int.; Carton of 250; 1.9650" Free Height	
	QTY 16 8 16 8	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk Valve Stem Seal Bulk	YEARS	PART NO. ST-2002 MV-1771C ST-2002BC MV-1771	DESCRIPTION Installation requires valve guide machining; Polyacrylate Int.; Umbrella type; Polyacrylate Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate Int.; Umbrella type; Carton of 100; Polyacrylate	
	QTY 16 16 16 16	VALVE, MISC Keeper Keeper Keeper Keeper	YEARS	PART NO. VK-66 VK-66R VK-174 VK-174R	DESCRIPTION Exh.; 2 groove Exh.; 2 groove; Hardened Int.; 4 groove Int.; 4 groove; Hardened	
	QTY 8	PISTON Pin Bushing	YEARS	PART NO. 1904V	DESCRIPTION Split type bushing	
	QTY 1 1 8	RINGS Premium Set Standard Set Standard Single Cylinder Set	YEARS	PART NO. E-239K Std-30-60 E-239X Std-30-40 WE-239X Std-30	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16	
	QTY 1	SLEEVE Repair Sleeve	YEARS	PART NO. SL-17M Std Only	DESCRIPTION 3/32" wall, must be cut to correct length & notched	
	4.5L 273 OHV V8, 3.625" Bore					
Marine Applications 175, 200, Superbee						
BLOCK	QTY 1 1 1 1	TIMING 3 Piece Set Timing Chain Crank Sprocket Cam Sprocket	YEARS	PART NO. KT3-160S 222-160 223-297 223-402	DESCRIPTION Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402 Double rlr.; 68 Links Double row; 23 Teeth Double row; 46 Teeth	BLOCK
	QTY 16	CAMSHAFT/LIFTER Lifter	YEARS	PART NO. HT-2011 Std Only	DESCRIPTION Hyd.	

(continued on next page)

Chrysler Marine

11 4.5L 273 OHV V8, 3.625" Bore (cont.) Marine Applications 175, 200, Superbee

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	(cont.) Lifter, Bulk		HT-2011B Std Only	Hyd.; Carton of 117
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod, Bulk		BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm		R-861	L.H.
BLOCK	8	Arm		R-862	R.H.
	8	Arm, Bulk		R-861B	L.H.; Carton of 64
	8	Arm, Bulk		R-862B	R.H.; Carton of 64
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-680	Exh.; 1.8800" Free Height
	8	Spring, Bulk		VS-680B	Exh.; Carton of 300; 1.8800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Valve Stem Seal		MV-1918	Exh.; Umbrella type; Viton®
	8	Valve Stem Seal		MV-1771C	Int.; Umbrella type; Polyacrylate
	8	Valve Stem Seal Bulk		MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-138	1969-71; 1 groove; Square cut key groove
	32	Keeper		VK-138R	1969-71; 1 groove; Square cut key groove; Hardened
	32	Keeper		VK-66	1972-74; 2 groove
BLOCK	32	Keeper		VK-66R	1972-74; 2 groove; Hardened
	32	Keeper, Bulk		VK-138B	1969-71; 1 groove; Square cut key groove; Carton of 1000
	8	Rotocap		RC-78S	Exh.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing		2134Y	
	8	Pin Bushing		2134Y20	w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Premium Set		E-239K Std-30-60	2-5/64, 1-3/16
	1	Standard Set		E-239X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-239X Std-30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set		8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set		8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
BLOCK	1	Rod Set		8-2130CA60 60	Unplated & resizeable
	8	Rod Pair		2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set		1484M Std Only	
	1	Cam Set		1451M Std Only	.760" length ctr. brg.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8010	
	1	Steel Block Plug Kit		381-4014	

12 5.2L 318 OHV V8, 3.9063" Bore Marine Applications Models Jet II; M80; M80A; Super Bee II; Super Bee V-Drive; 195, 195 Special, 195 Stern Drive (195 HP); 210 (210 HP); 215 (215 HP); 225 (225 HP); 240, 240 Stern Drive (240 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-361S	195 Special; Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
	1	3 Piece Set		KT3-160S	195, 225, & 240 Engs.; Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
	1	Timing Chain		222-361	195 Special; Silent type; 68 Links
	1	Timing Chain		222-160	195, 225, & 240 Engs.; Double rlr.; 68 Links
	1	Crank Sprocket		223-359	195 Special; Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
	1	Crank Sprocket		223-297	195, 225 & 240 Engs.; Double row; 23 Teeth
VALVE TRAIN	1	Cam Sprocket		223-358	195 Special; Use w/silent type chain; 46 Teeth
	1	Cam Sprocket		223-402	195, 225 & 240 Engs.; Double row; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1053M	Standard Rotation; Repl. O.E. No. 2806283
	16	Lifter		AT-937 Std Only	M80 & M80A Engs.; Barrel shaped mech.
	16	Lifter		HT-2011 Std Only	195, 225, 240 & 195 Special Engs.; Hyd.
	16	Lifter, Bulk		AT-937B Std Only	M80 & M80A Engs.; Barrel shaped mech.; Carton of 117
VALVE TRAIN	16	Lifter, Bulk		HT-2011B Std Only	195, 225, 240 & 195 Special Engs.; Hyd.; Carton of 117

(continued on next page)

Chrysler Marine

5.2L 318 OHV V8, 3.9063" Bore **12**

Marine Applications Models Jet II; M80; M80A; Super Bee II; Super Bee V-Drive; 195, 195 Special, (cont.)
195 Stern Drive (195 HP); 210 (210 HP); 215 (215 HP); 225 (225 HP); 240, 240 Stern Drive (240 HP)

QTY	CAMSHAFT/LIFTER		YEARS	PART NO.	DESCRIPTION
	(cont.)				
1	Prelube			55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD		YEARS	PART NO.	DESCRIPTION
16	Push Rod			RP-3194	Exc. M80 & M80A Engs.; .312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod, Bulk			BRP-3194	Exc. M80 Engs.; Exc. M80A Engs.; .312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS		YEARS	PART NO.	DESCRIPTION
8	Arm			R-861	L.H.; Exc. M80 & M80A Engs.
8	Arm			R-862	R.H.; Exc. M80 & M80A Engs.
8	Arm, Bulk			R-861B	L.H.; Exc. M80 & M80A Engs.; Carton of 64
8	Arm, Bulk			R-862B	R.H.; Exc. M80 & M80A Engs.; Carton of 64
2	Rocker Shaft			RS-626	Exc. M80 & M80A Engs.
QTY	VALVE		YEARS	PART NO.	DESCRIPTION
8	Exhaust			V-1343 Std Only	M80 & M80A Engs.; 4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
8	Intake			V-1344 Std Only	M80 & M80A Engs.; 2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
8	Intake			V-1722 Std-5-15	195 Special; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk			V-1722B15 15	195 Special; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
QTY	VALVE GUIDE		YEARS	PART NO.	DESCRIPTION
8	Guide			VG-5062	Exh.; M80 & M80A Engs.; .3735" ID, 2.3800" O.A.L.
8	Guide			VG-5033	Int.; M80 & M80A Engs.; .3735" ID, 2.6200" O.A.L.
QTY	VALVE SPRING		YEARS	PART NO.	DESCRIPTION
16	Spring			VS-680	To Ser. No. E169354 Exc. M80, M80A Engs.; 318-195, & Special 915 Engs.; 1.8800" Free Height
16	Spring, Bulk			VS-680B	To Ser. No. E169354 Exc. M80, M80A Engs.; 318-195, & Special 915 Engs.; Carton of 300; 1.8800" Free Height
QTY	VALVE SEAL		YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal			ST-2048	Int.; From Ser. No. E09632; Exc. M80 & M80A Engs.; Positive type; Viton®
8	Valve Stem Seal			MV-1918	Exh.; Exc. M80 & M80A Engs.; Umbrella type; Viton®
8	Valve Stem Seal			MV-1771C	Int.; To Ser. No. E09632 Exc. 195 Special Engs.; Umbrella type; Polyacrylate
8	Valve Stem Seal Bulk			MV-1771	Int.; To Ser. No. E09632 Exc. 195 Special Engs.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT		YEARS	PART NO.	DESCRIPTION
8	Exh.			245-1687-2N Std Only	M80 & M80A Engs.; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.			245-1687-2 Std Only	M80 & M80A Engs.; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.			245-1937-1 Std Only	M80 & M80A Engs.; 1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC		YEARS	PART NO.	DESCRIPTION
16	Keeper			VK-174	Exh.; M80 & M80A Engs.; 4 groove
16	Keeper			VK-174R	Exh.; 4 groove; Hardened
16	Keeper			VK-66	Int.; M80, M80A & 195 Spec. Engs.; 2 groove
16	Keeper			VK-66R	Int.; 2 groove; Hardened
8	Rotocap			RC-78S	Exc. M80 & M80A Engs.
QTY	PISTON		YEARS	PART NO.	DESCRIPTION
8	Cast Piston			285NCP30 30-40-60	From Ser. No. E169355, Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston			285NP Std-20-30-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
8	Cast Piston - Individual			W285NCP30 30-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston - Individual			W285NP Std-20-30-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-pin rod - 8.5:1 C.R.

(continued on next page)

Chrysler Marine

12 5.2L 318 OHV V8, 3.9063" Bore (cont.) Marine Applications Models Jet II; M80; M80A; Super Bee II; Super Bee V-Drive; 195, 195 Special, 195 Stern Drive (195 HP); 210 (210 HP); 215 (215 HP); 225 (225 HP); 240, 240 Stern Drive (240 HP)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings		8K285NCP30 30-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8K285NP20 20-30-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings		8X285NP20 20-40-60	From Ser. No. E169355; Exc. M80, M80A Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.
	8	Pin Bushing		2134Y	
	8	Pin Bushing		2134Y20	w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-178K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-178X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-178K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-178X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		7381MA10X20 10X20	A-Series aluminum bearings ; Use in .020" O/S Bore
	1	Main Set		5095MA Std-10-20-30	A-Series aluminum bearings ; 3.530" max. flange OD; Pos. 1 bearing full grooved
	1	Main Set		5024MA Std-1-10-20-30	A-Series aluminum bearings ; 3.530" max. flange OD; Pos. 1 upper brg. grooved
	1	Rod Set		8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set		8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set		8-2130CA60 60	Unplated & resizeable
	8	Rod Pair		2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set		1484M Std Only	
	1	Cam Set		1451M Std Only	.760" length ctr. brg.
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4166	
	1	Screen Assy.		224-1166	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8010	
	1	Steel Block Plug Kit		381-4014	

13 5.4L 331 OHV V8 (Chrysler), 3.8125" Bore Marine Applications M45, M45S, M45SP

BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal		MV-1771C	Int.; Umbrella type; Polyacrylate
	8	Valve Stem Seal Bulk		MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.		245-1687-7 Std Only	1.6925" OD, 1.3750" ID, .2480" Depth
	8	Int.		245-1875-2 Std Only	1.8800" OD, 1.5625" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-66	2 groove
	32	Keeper		VK-66R	2 groove; Hardened
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing		1804V	
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve		SL-93M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		916M Std-10	
	8	Rod Pair		1800CP Std-10	
	1	Cam Set		1149M Std Only	

14 5.6L 340 OHV V8, 4.04" Bore 1973-71 Marine Applications Models Chrysler III; Jet III; Super Bee III; Super Bee III V-Drive; 250 (250 HP)

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
	1	Timing Chain		222-160	Double rlr.; 68 Links

(continued on next page)

Chrysler Marine

5.6L 340 OHV V8, 4.04" Bore 1973-71 **14**

Marine Applications Models Chrysler III; Jet III; Super Bee III; Super Bee III V-Drive; 250 (250 HP) (cont.)

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Crank Sprocket		223-297	Double row; 23 Teeth
1	Cam Sprocket		223-402	Double row; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-644	To Ser. No. E103532 w/Standard Rotation
16	Lifter		HT-2011 Std Only	Hyd.
16	Lifter, Bulk		HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit		KC-644	Hyd.; Incl. (1) CS-644, (16) HT-2011, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod		RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod, Bulk		BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm		R-861	L.H.
8	Arm		R-862	R.H.
8	Arm, Bulk		R-861B	L.H.; Carton of 64
8	Arm, Bulk		R-862B	R.H.; Carton of 64
2	Rocker Shaft		RS-626	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring		VS-680	Exh.; To Ser. No. E169354; 1.8800" Free Height
8	Spring, Bulk		VS-680B	Exh.; To Ser. No. E169354; Carton of 300; 1.8800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	73-72	ST-2048	Int.; Positive type; Viton®
8	Valve Stem Seal	71	MV-1771C	Int.; Umbrella type; Polyacrylate
8	Valve Stem Seal		MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal Bulk	71	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	73-72	VK-66	Exh. & Int.; 2 groove
32	Keeper	73-72	VK-66R	Exh. & Int.; 2 groove; Hardened
16	Keeper	71	VK-138	Exh.; 1 groove; Square cut key groove
16	Keeper	71	VK-138R	Exh.; 1 groove; Square cut key groove; Hardened
16	Keeper	71	VK-66	Int.; 2 groove
16	Keeper	71	VK-66R	Int.; 2 groove; Hardened
16	Keeper, Bulk	71	VK-138B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap		RC-78S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Powerforged		L-2385F30 * 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual		WL-2385F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
8	Pin Bushing		2134Y	
8	Pin Bushing		2134Y20	w/.020" extra bore stock
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-286K Std-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-286X Std-30-40	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-286K30 30-40	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-286X30 30	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set		8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
1	Rod Set		8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
1	Rod Set		8-2130CA60 60	Unplated & resizeable
8	Rod Pair		2130CP Std-1-2-10-20-30-40-50	
1	Cam Set		1484M Std Only	
1	Cam Set		1451M Std Only	.760" length ctr. brg.
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-4166	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit		381-8010	
1	Steel Block Plug Kit		381-4014	

Chrysler Marine

15 5.9L 360 OHV V8, 4" Bore Marine Applications Models Chrysler Jet; Super Bee III (Volvo); Super Bee III V-Drive; 230 (230 HP); 240 (240 HP); 250 (250 HP); 265 (265 HP); 275 (275 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
	1	Timing Chain		222-160	Double rlr.; 68 Links
	1	Crank Sprocket		223-297	Double row; 23 Teeth
	1	Cam Sprocket		223-402	Double row; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter		HT-2011 Std Only	Hyd.
	16	Lifter, Bulk		HT-2011B Std Only	Hyd.; Carton of 117
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk		BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm		R-861	L.H.
	8	Arm		R-862	R.H.
	8	Arm, Bulk		R-861B	L.H.; Carton of 64
	8	Arm, Bulk		R-862B	R.H.; Carton of 64
	2	Rocker Shaft		RS-626	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal		ST-2048	Int.; Positive type; Viton®
	8	Valve Stem Seal		MV-1918	Exh.; Umbrella type; Viton®
VALVE, MISC	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-66	Exh. & Int.; 2 groove
	32	Keeper		VK-66R	Exh. & Int.; 2 groove; Hardened
	8	Rotocap		RC-78S	
PISTON	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		405CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston		405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
	8	Cast Piston - Individual		W405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
	1	Cast Piston Set w/Prem. Rings		8K405CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8K405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
	1	Cast Piston Set w/Econ. Rings		8X405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
RINGS	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
ENGINE BEARINGS	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4999MA Std-1-10-20-30	A-Series aluminum bearings; w/3.910" max. flange OD
	1	Main Set		4948MA Std-10-20-30	A-Series aluminum bearings; 3.685" max. flange OD
	1	Rod Set		8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set		8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
	1	Rod Set		8-2130CA60 60	Unplated & resizeable
	8	Rod Pair		2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set		1484M Std Only	
	1	Cam Set		1451M Std Only	.760" length ctr. brg.
FREEZE PLUGS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8010	
	1	Steel Block Plug Kit		381-4014	

16 5.9L 361 OHV V8, 4.125" Bore Marine Applications M81 Imperial

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter		AT-937 Std Only	M81; Barrel shaped mech.
16	Lifter, Bulk		AT-937B Std Only	M81; Barrel shaped mech.; Carton of 117

(continued on next page)

Chrysler Marine

5.9L 361 OHV V8, 4.125" Bore 16 Marine Applications M81 Imperial (cont.)

B L O C K	QTY 8	VALVE Intake	YEARS	PART NO. V-1438 Std Only	DESCRIPTION 1.8800" Head Dia., .3725" Stem Dia., 5.6680" O.A.L.
	QTY 8	VALVE GUIDE Guide	YEARS	PART NO. VG-549	DESCRIPTION Exh.; .4385" ID, 3.0900" O.A.L.
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS	PART NO. MV-1707C	DESCRIPTION Int.; Umbrella type; Polyacrylate
	8	Valve Stem Seal Bulk		MV-1707	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY 16	VALVE, MISC Keeper	YEARS	PART NO. VK-174	DESCRIPTION Exh.; 4 groove
	16	Keeper		VK-174R	Exh.; 4 groove; Hardened
	16	Keeper		VK-66	Int.; 2 groove
	16	Keeper		VK-66R	Int.; 2 groove; Hardened
	QTY 1	RINGS Premium Set	YEARS	PART NO. E-273K Std-20-30-40-60	DESCRIPTION 2-3/32, 1-3/16
	1	Premium Set		E-404K Std-30-60	2-3/32, 1-3/16
B L O C K	8	Premium Single Cylinder Set		WE-273K Std-20-30-40-60	2-3/32, 1-3/16
	8	Premium Single Cylinder Set		WE-404K Std-30	2-3/32, 1-3/16
	QTY 1	ENGINE BEARINGS Main Set	YEARS	PART NO. 4094M Std-10-20-30-40-60	DESCRIPTION 3.453" max. flange OD
	1	Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
	1	Rod Set		8-2320CA60 60	Unplated & resizeable
	8	Rod Pair		2320CP Std-1-10-20-30-40-50	
	1	Cam Set		1453M Std Only	Babbitt material; Full round design
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS	PART NO. 381-8011	DESCRIPTION

6.3L 383 OHV V8, 4.25" Bore 17 Marine Applications M383, M383B, 260, 280

V A L V E T R A I N	QTY 1	TIMING 3 Piece Set	YEARS	PART NO. KT3-501S	DESCRIPTION 260 HP; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367
	1	Timing Chain		222-501	260 HP; Silent type; 50 Links
	1	Timing Chain		222-168	280 HP; Double rlr.; 66 Links
	1	Crank Sprocket		223-339	280 HP; Double row; 25 Teeth
	1	Cam Sprocket		223-340A	280 HP; Double row; 50 Teeth
	QTY 16	CAMSHAFT/LIFTER Lifter	YEARS	PART NO. HT-2011 Std Only	DESCRIPTION 260 HP; Hyd.
	16	Lifter		HT-2011R Std Only	280 HP; Hyd. Hi-Rev
	16	Lifter, Bulk		HT-2011B Std Only	260 HP; Hyd.; Carton of 117
	QTY 16	PUSH ROD Push Rod	YEARS	PART NO. RP-3191	DESCRIPTION 8.5750" O.A.L.
	16	Push Rod, Bulk		BRP-3191	Carton of 100; 8.5750" O.A.L.
V A L V E T R A I N	QTY 8	ROCKER PARTS Arm	YEARS	PART NO. R-829	DESCRIPTION L.H.
	8	Arm		R-828	R.H.
	2	Rocker Shaft		RS-612	
	QTY 8	VALVE Intake	YEARS	PART NO. V-1386 Std Only	DESCRIPTION 383-260 To Ser. No. E44741; 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	8	Intake		V-1386 Std Only	383-280 all; 2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS	PART NO. MV-1707C	DESCRIPTION Int.; Umbrella type; Polyacrylate
	8	Valve Stem Seal Bulk		MV-1707	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY 16	VALVE, MISC Keeper	YEARS	PART NO. VK-138	DESCRIPTION Exh.; 1 groove; Square cut key groove
	16	Keeper		VK-138R	Exh.; 1 groove; Square cut key groove; Hardened
	16	Keeper		VK-66	Int.; 2 groove
B L O C K	16	Keeper		VK-66R	Int.; 2 groove; Hardened
	16	Keeper, Bulk		VK-138B	Exh.; 1 groove; Square cut key groove; Carton of 1000
	QTY 1	RINGS Premium Set	YEARS	PART NO. E-233K Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Standard Set		E-233X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-233K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-233X Std-20-30-40-60	2-5/64, 1-3/16
	QTY 1	ENGINE BEARINGS Main Set	YEARS	PART NO. 4094M Std-10-20-30-40-60	DESCRIPTION 3.453" max. flange OD

(continued on next page)

Chrysler Marine

17 6.3L 383 OHV V8, 4.25" Bore (cont.) Marine Applications M383, M383B, 260, 280

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	(cont.) Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
	1	Rod Set		8-2320CA60 60	Unplated & resizeable	
	8	Rod Pair		2320CP Std-1-10-20-30-40-50		
	1	Cam Set		1453M Std Only	Babbitt material; Full round design	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit		381-8011		

18 6.6L 400 OHV V8, 4.342" Bore Marine Applications 280

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain		222-168	Double rlr.; 66 Links	
	1	Crank Sprocket		223-339	Double row; 25 Teeth	
	1	Cam Sprocket		223-340A	Double row; 50 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter		HT-2011R Std Only	Hyd. Hi-Rev	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod		RP-3191	8.5750" O.A.L.	
	16	Push Rod, Bulk		BRP-3191	Carton of 100; 8.5750" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
BLOCK	8	Arm		R-829	L.H.	BLOCK
	8	Arm		R-828	R.H.	
	2	Rocker Shaft		RS-612		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Intake		V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal		ST-2048	Int.; Positive type; Viton®	
	8	Valve Stem Seal		MV-1707C	Exh.; Umbrella type; Polyacrylate	
	8	Valve Stem Seal Bulk		MV-1707	Exh.; Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
BLOCK	16	Keeper		VK-138	Exh.; 1 groove; Square cut key groove	BLOCK
	16	Keeper		VK-138R	Exh.; 1 groove; Square cut key groove; Hardened	
	16	Keeper		VK-66	Int.; 2 groove	
	16	Keeper		VK-66R	Int.; 2 groove; Hardened	
	16	Keeper, Bulk		VK-138B	Exh.; 1 groove; Square cut key groove; Carton of 1000	
	8	Rotocap		RC-78S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston		406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
	8	Cast Piston - Individual		W406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Premium Set		E-318K Std-30	2-5/64, 1-3/16	BLOCK
	1	Standard Set		E-318X Std-30	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set		WE-318K30 30	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set		WE-318X Std Only	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set		4094M Std-10-20-30-40-60	3.453" max. flange OD	
	1	Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
	1	Rod Set		8-2320CA60 60	Unplated & resizeable	
	8	Rod Pair		2320CP Std-1-10-20-30-40-50		
	1	Cam Set		1453M Std Only	Babbitt material; Full round design	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump		224-4174	Use original cover plate on Engs. w/canister oil filter	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit		381-8011		

19 6.7L 413 OHV V8, 4.1875" Bore Marine Applications

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4924MA Std-10-20-30	1959-73; A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD
1	Main Set		5025MA Std-10-20-30	1974-79; A-Series aluminum bearings; Partial grooved; 3.930" max. flange OD
1	Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
1	Rod Set		8-2320CA60 60	Unplated & resizeable

(continued on next page)

Chrysler Marine

6.7L 413 OHV V8, 4.1875" Bore 19
Marine Applications (cont.)

QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
8	Rod Pair		2320CP Std-1-10-20-30-40-50	
1	Cam Set		1453M Std Only	Babbitt material; Full round design

7.0L 426 OHV V8, 4.25" Bore 20
Marine Applications M-426-B, M-426-D

QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-233K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-233X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-233K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-233X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4924MA Std-10-20-30	A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD
1	Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
1	Rod Set		8-2320CA60 60	Unplated & resizeable
8	Rod Pair		2320CP Std-1-10-20-30-40-50	
1	Cam Set		1453M Std Only	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-4174	Exc. Hemi Engs.; Use original cover plate on Engs. w/canister oil filter
1	Oil Pump		224-4174V	High-Volume; Use original cover plate on Engs. w/canister oil filter
1	Pump Repair Kit		224-5174	

7.2L 440 OHV V8, 4.32" Bore 21
Marine Applications Models 300 (300 HP); 330 (330 HP); 335 (335 HP); 375 (375 HP)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set		KT3-501S	300 & 335 HP; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367
1	Timing Chain		222-501	300 & 335 HP; Silent type; 50 Links
1	Timing Chain		222-168	330 & 375 Engs.; Double rlr.; 66 Links
1	Crank Sprocket		223-339	330 & 375 Engs.; Double row; 25 Teeth
1	Cam Sprocket		223-340A	330 & 375 Engs.; Double row; 50 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter		HT-2011R Std Only	Hyd. Hi-Rev
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod		RP-3191	8.5750" O.A.L.
16	Push Rod, Bulk		BRP-3191	Carton of 100; 8.5750" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm		R-829	L.H.
8	Arm		R-828	R.H.
2	Rocker Shaft		RS-612	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Intake		V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal		ST-2048	Int.; 330 & 375 Engs.; Positive type; Viton®
8	Valve Stem Seal		MV-1707C	Exh.; Exc. 330 & 375 HP; Umbrella type; Polyacrylate
8	Valve Stem Seal Bulk		MV-1707	Exh.; Exc. 330 & 375 HP; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper		VK-138	Exh.; 1 groove; Square cut key groove
16	Keeper		VK-138R	Exh.; 1 groove; Square cut key groove; Hardened
16	Keeper		VK-66	Int.; 2 groove
16	Keeper		VK-66R	Int.; 2 groove; Hardened
16	Keeper, Bulk		VK-138B	Exh.; 1 groove; Square cut key groove; Carton of 1000
8	Rotocap		RC-78S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Powerforged		L-2355F Std-30-40-60	375 Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 2.061" CD, 1.0939" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual		WL-2355F Std-30-40-60	375 Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 2.061" CD, 1.0939" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-424K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-424X Std-30-40-60	2-5/64, 1-3/16

(continued on next page)

Chrysler Marine

21

7.2L 440 OHV V8, 4.32" Bore

(cont.)

Marine Applications

Models 300 (300 HP); 330 (330 HP); 335 (335 HP); 375 (375 HP)

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Premium Single Cylinder Set		WE-424K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-424X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4924MA Std-10-20-30	1959-73; A-Series aluminum bearings; Partial grooved; 3.624" max. flange OD
	1	Main Set		5025MA Std-10-20-30	1974-79; A-Series aluminum bearings; Partial grooved; 3.930" max. flange OD
	1	Rod Set		8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
	1	Rod Set		8-2320CA60 60	Unplated & resizeable
	8	Rod Pair		2320CP Std-1-10-20-30-40-50	
	1	Cam Set		1453M Std Only	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump		224-4174	Use original cover plate on Engs. w/canister oil filter	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit		381-8011		

BLOCK

Chrysler Minivans - See Dodge Truck

Chrysler Truck - See Dodge Truck

Daihatsu Car

Engine Finding Index									
Engine		For Year	Line No.	Engine		For Year	Line No.		
1.0L 993cc SOHC L3 76mm Bore (6 Valve).....		1990-88	 1						
Engine Code Index									
Engine Code		Engine Description		Line No.	Engine Code		Engine Description		Line No.
CB.....		1.0L 993cc SOHC L3 76mm Bore (6 Valve)		 1					

1 1.0L 993cc SOHC L3 (6 Valve), 76mm Bore 1990-88 Eng. Code "CB" 1988-92				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-88	222-B178	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7109M Std Only	
1	Thrust Washer Set	90-88	66676BF Std Only	Position 3
1	Rod Set	90-88	3-1180CP Std-.25MM	

Datsun - See Nissan

Dodge Car - See Chrysler Corp. Car

Dodge Minivans - See Dodge Truck

Dodge SUV's - See Dodge Truck

Dodge Truck (Incl. Minivans and SUV's)

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck	1982-79	1	3.7L 225 OHV L6 3.4063" Bore L/D Truck	1987-60 15
2.0L 122 (1997cc) SOHC L4 85mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1989-83	2	3.7L 228.1 L-HEAD L6 3.375" Bore (DeSoto) L/D Truck	1956-36 16
2.2L 135 (2212cc) SOHC L4 87.5mm Bore (8 Valve) L/D Truck	1988-82	3	3.8L 230 L-HEAD L6 3.25" Bore (Dodge) L/D Truck	1960-46 17
2.3L 143 (2346cc) SOHC Turbo-Diesel L4 91mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1985-83	4	3.9L 236.6 L-HEAD L6 3.4375" Bore (DeSoto) L/D Truck	1950-42 18
2.4L 143.4 (2351cc) SOHC L4 86.5mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck	1990	5	3.9L 239 OHV V6 3.9063" Bore (12 Valve) L/D Truck	1990-86 19
2.5L 153 (2507cc) SOHC L4 87.5mm Bore (8 Valve) L/D Truck	1990-87	6	4.1L 251 L-HEAD L6 3.4375" Bore (Chrysler) L/D Truck	1968-58 20
2.5L 153 (2507cc) SOHC Turbo L4 87.5mm Bore (8 Valve) L/D Truck	1990-89	7	4.3L 260 OHV V8 3.5625" Bore (Plymouth) L/D Truck	1956-55 21
2.6L 156 (2555cc) SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck	1989-79	8	4.5L 273 OHV V8 3.625" Bore L/D Truck.....	1968-64 22
2.8L 170 OHV L6 3.4063" Bore L/D Truck	1969-60	9	5.2L 315 OHV V8 3.625" Bore (Dodge) L/D Truck...	1959-55 23
3.0L 181.1 (2972cc) SOHC V6 91.1mm Bore (12 Valve) (Mitsubishi Eng.) L/D Truck	1990-87	10	5.2L 318 OHV V8 3.9063" Bore L/D Truck.....	1990-59 24
3.2L 198 OHV L6 3.4063" Bore L/D Truck	1973-70	11	5.4L 331 OHV V8 3.8125" Bore (Chrysler) L/D Truck	1956-54 25
3.3L 201 (3302cc) OHV V6 93mm Bore (12 Valve) L/D Truck	1990	12	5.9L 359 OHV Turbo-Diesel L6 4.0197" Bore (12 Valve) (Cummins Eng.) L/D Truck	1990-88 26
3.6L 217.8 L-HEAD L6 3.25" Bore (Dodge/Plymouth) L/D Truck	1956-33	13	5.9L 360 OHV V8 4" Bore L/D Truck.....	1990-71 27
3.6L 217.8 L-HEAD L6 3.375" Bore (Dodge/Plymouth) L/D Truck	1954-38	14	5.9L 361 OHV V8 4.125" Bore L/D Truck.....	1970-68 28
			6.3L 383 OHV V8 4.25" Bore L/D Truck.....	1971-63 29
			6.6L 400 OHV V8 4.342" Bore L/D Truck.....	1980-71 30
			7.2L 440 OHV V8 4.32" Bore L/D Truck.....	1980-72 31

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
G52B	2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1	4G64.....	2.4L 143.4 (2351cc) SOHC L4 86.5mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck .	5
G54B	2.6L 156 (2555cc) SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	8	6BTA5.9.....	5.9L 359 OHV Turbo-Diesel L6 4.0197" Bore (12 Valve) (Cummins Eng.) L/D Truck.....	26
G63B	2.0L 122 (1997cc) SOHC L4 85mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	2	6G72.....	3.0L 181.1 (2972cc) SOHC V6 91.1mm Bore (12 Valve) (Mitsubishi Eng.) L/D Truck.....	10
4D55-T.....	2.3L 143 (2346cc) SOHC Turbo-Diesel L4 91mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	4			
4G52.....	2.0L 121.7 (1995cc) SOHC L4 84mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1			

2.0L 121.7 (1995cc) SOHC L4 (8 Valve), 84mm Bore (Mitsubishi Eng.) 1982-79						1
L/D Truck VIN Codes "U" 1979-80, "5" 1981-82, Eng. Codes "G52B" 1979-82, "4G52" 1979-82						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Complete Set	82-79	KT-1013S	Incl. sprockets, chain, tensioner & guides	
	1	Bal. Shaft Set	82-79	KT-1014S	Incl. sprockets, chain & guides	
	1	Timing Chain	82-79	222-3DR102	Double rlr.; 102 Links	
	1	Timing Chain Tensioner	82-79	222-49CT		
	1	Timing Chain Guide	82-79	222-31GP	Slack Side	
	1	Timing Chain Guide	82-79	222-30GP	Tension Side	
	1	Bal. Shaft Chain Guide	82-79	222-51GP	Lower	
	1	Bal. Shaft Chain Guide	82-79	222-64GP	R.H.	
	1	Crank Sprocket	82-79	223-407	Single row; 34 Teeth	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
4	Intake	82-79	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
4	Guide	82-79	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.		
4	Guide	82-79	VG-715	Int.; .3155" ID, 1.8500" O.A.L.		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	82-79	ST-2037	Positive type; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Exh.	82-79	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth		
4	Int.	82-79	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
4	Spring Insert	82-79	259-821B	.060"; Case hardened; Carton of 48		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

1 2.0L 121.7 (1995cc) SOHC L4 (8 Valve), 84mm Bore (Mitsubishi Eng.) 1982-79					
(cont.) L/D Truck VIN Codes "U" 1979-80, "5" 1981-82, Eng. Codes "G52B" 1979-82, "4G52" 1979-82					
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	82-79	12207P Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 40.3mm CD, 22.0mm Pin Dia., Flat Head - 8.5:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	82-79	E-357KC Std-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	82-79	E-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
BLOCK	4	Premium Single Cylinder Set	82-79	WE-357KC Std-.50-.75MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	82-79	WE-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-79	6618M Std-.25-.50-.75MM	
	1	Rod Set	82-79	4-66675P Std-.25-.50-.75-1.00MM	
BLOCK	1	Aux. Shaft Set	82-79	1805M	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	82-79	224-41914	
2 2.0L 122 (1997cc) SOHC L4 (8 Valve), 85mm Bore (Mitsubishi Eng.) 1989-83					
L/D Truck VIN Codes "D" 1984-89, "5" 1983, Eng. Code "G63B" 1983-89					
VALVE	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	89-87	222-158	
	1	Timing Belt	86-83	222-89	
	1	Timing Belt Tensioner	89-83	222-105BT	
	1	Bal. Shaft Belt	89-87	222-159	
VALVE	1	Bal. Shaft Belt	86-83	222-90	
	1	Bal. Shaft Belt Tensioner	89-88	222-161BT	
	1	Bal. Shaft Belt Tensioner	87	222-161BT	From 5/87
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-85	CS-817	w/Hyd. followers
VALVE	8	Lifter	89-85	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	89-85	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	89-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
VALVE	2	Arm	89-85	R-958	Exh. R.H.
	1	Rocker Shaft	89-85	RS-658	Exh. R.H.
	1	Rocker Shaft	89-85	RS-659	Int. L.H.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	89-83	V-3933 Std Only	Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.
VALVE	4	Intake	89-83	V-2331 Std Only	Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.
	4	Intake	89-83	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	89-83	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	89-83	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
VALVE	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	89-84	ST-2083	Exh.; Positive type; Rubber
	4	Valve Stem Seal	89-84	ST-2037	Int.; Positive type; Rubber
	8	Valve Stem Seal	83	ST-2083	Exh. & Int.; To 12/82; Positive type; Rubber
	4	Valve Stem Seal	83	ST-2037	Int.; From 1/83; Positive type; Rubber
VALVE	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	89-83	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	89-83	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	89-84	VK-232	
BLOCK	16	Keeper	83	VK-232	From 1/83
	4	Spring Insert	89-83	259-821B	.060"; Case hardened; Carton of 48
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-87	E-455KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
BLOCK	1	Premium Set	86-83	E-452KC Std-.75-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	89-87	E-455X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	86-83	E-452X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-87	WE-455KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86-83	WE-452KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.0L 122 (1997cc) SOHC L4 (8 Valve), 85mm Bore (Mitsubishi Eng.) 1989-83 2								
L/D Truck VIN Codes "D" 1984-89, "5" 1983, Eng. Code "G63B" 1983-89 (cont.)								
B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION			
	4	Standard Single Cylinder Set	89-87	WE-455X	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
	1	Main Set	89-83	5103M	Std-.25-.50-.75MM			
	1	Rod Set	89-83	4-3485CP	Std-.25-.50-.75MM			
	1	Bal. Shaft Set	89-83	1810M				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION				
	1	Kit Gasket Set	89-83	260-1199	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION				
	1	Brass Block Plug Kit	89-83	381-8099	Eng. Code "G63B"			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.		
	YEARS	DESCRIPTION						
	89-87	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring	205-875	205-375	
					Re-ring w/Mains	205-875M	205-375M	
	86-83	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring	205-874	205-374	
					Re-ring w/Mains	205-874M	205-374M	
2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1988-82 3								
L/D Truck VIN Codes "B" 1982, "C" 1983-88, "D" 1987								
QTY	TIMING	YEARS	PART NO.	DESCRIPTION				
	1	Timing Belt	88-82	222-71				
	1	Timing Belt Tensioner	88-82	222-91BT				
	1	Timing Belt & Tensioner Set	88-82	BTS-71				
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION				
	1	Camshaft	88	CS-785				
	1	Camshaft	88	CS-922	w/.020" O/S journals			
	8	Lifter	88-82	HT-2105	Std Only	Hyd. lash adj.		
	8	Lifter, Bulk	88-82	HT-2105B	Std Only	Hyd. lash adj.; Carton of 247		
	1	Prelube	88-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.			
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION				
	1	Cam/Lifter Kit	88	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B			
	1	Cam/Flwr. Kit	88	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B			
	1	Cam/Lifter/Flwr. Kit	88	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B			
	1	Cam/Lifter/Timing Kit	88	KCT-785D	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-71, (1) 55-403B			
	1	Cam/Lifter/Flwr./Timing Kit	88	KCT-785F	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-71, (1) 55-403B			
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION				
	8	Arm	88	R-951				
	8	Arm	87-82	R-912				
	8	Arm, Bulk	88	R-951B	Carton of 32			
	8	Arm, Bulk	87-82	R-912B	Carton of 64			
QTY	VALVE	YEARS	PART NO.	DESCRIPTION				
	4	Exhaust	88-86	V-2427	Std-15	4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.		
	4	Exhaust	87-82	V-2194	Std Only	Chrome plated stem; 1.3937" Head Dia., .3106" Stem Dia., 4.4420" O.A.L.		
	4	Exhaust, Bulk	88-86	V-2427B	Std-15	4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.		
	4	Intake	88-86	V-2428	Std Only	Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION				
	4	Guide	88-82	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.			
	4	Guide	88-82	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.			
	4	Guide	88-82	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.			
	4	Guide	88-82	VG-869	Int.; .3145" ID, 1.5750" O.A.L.			
	4	Guide, Bulk	88-82	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.			
	4	Guide, Bulk	88-82	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.			
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION				
	8	Spring	88	VS-1457	2.2250" Free Height			
	8	Spring, Bulk	88	VS-1457B	Carton of 250; 2.2250" Free Height			
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION				
	8	Valve Stem Seal	88-82	ST-2015	Positive type; Viton®			
	8	Valve Stem Seal	88-82	MV-1919	Umbrella type; Viton®			
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION				
	4	Exh.	88-82	245-1500-63	Std Only	1.5070" OD, 1.2100" ID, .3450" Depth		
	4	Int.	88-82	245-1687-51	Std Only	1.6945" OD, 1.3900" ID, .3050" Depth		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3 2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1988-82
(cont.) L/D Truck VIN Codes "B" 1982, "C" 1983-88, "D" 1987

B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K	
	8	Keeper	88-82	VK-225	Exh.; 4 groove		
	8	Keeper	88-82	VK-144	Int.; 1 groove; Square cut key groove		
	8	Keeper	88-82	VK-144R	Int.; 1 groove; Square cut key groove; Hardened		
	8	Keeper, Bulk	88-82	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000		
	8	Spring Insert	88-86	259-820B	.030"; Case hardened; Carton of 48		
	8	Spring Insert	88-82	259-821B	.060"; Case hardened; Carton of 48		
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K	
	4	Cast Piston	88-86	527P Std.-50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough		
	4	Cast Piston - Individual	88-86	W527P Std.-50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.572" CD, .9008" Pin Dia., Flat Head w/1 valve trough		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	88-87	E-454K Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	1	Premium Set	86	E-418K Std.-50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM		
	1	Premium Set	86	E-454K Std.-50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM		
	1	Premium Set	85-82	E-418K Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	1	Standard Set	88-87	E-454X Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	1	Standard Set	86	E-418X Std.-50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM		
	1	Standard Set	86	E-454X Std.-50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM		
	1	Standard Set	85-82	E-418X Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	88-87	WE-454K Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	86	WE-418K Std.-50-.75-1.00MM	VIN Code "C"; 2-1.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	86	WE-454K Std.-50-.75-1.00MM	VIN Code "D"; 2-1.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	85-82	WE-418K Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	88-82	6678MA Std.-25-.50-.75MM	A-Series aluminum bearings		
	1	Rod Set	88-82	4-3800CPA Std.-25-.50-.75-1.00MM			
	4	Rod Pair	88-82	3800CPA Std.-026-.25-.50-.75-1.00MM			
	1	Cam Set	88-82	1840M Std Only			
	1	Aux. Shaft Set	88-82	1487M			
K I T S	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	K I T S	
	1	Oil Pump	88-86	224-4168			
	1	Oil Pump	85-82	224-4168S	FWD; w/screen		
	1	Screen Assy.	88	224-1268			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	88-82	260-1093	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		
	1	Head Bolt Set	88-85	260-2501	Replacement recommended; 11MM Head bolts		
	1	Head Bolt Set	85-82	260-2505	Replacement recommended; 10MM Head bolts		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	88-82	381-8050			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	88-87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring w/Mains	205-869M	205-369M	
	88-87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		Re-ring	205-869	205-369	
	86	VIN Code "C"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring w/Mains	205-681M	205-181M	
	86	VIN Code "C"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		Re-ring	205-681	205-181	
	86	VIN Code "D"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring w/Mains	205-869M	205-369M	
86	VIN Code "D"; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.		Re-ring	205-869	205-369		
85-82	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring w/Mains	205-681M	205-181M		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.2L 135 (2212cc) SOHC L4 (8 Valve), 87.5mm Bore 1988-82 3					
L/D Truck VIN Codes "B" 1982, "C" 1983-88, "D" 1987 (cont.)					
K I T S	RE-RING KIT (cont.)			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	85-82	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring	205-681	205-181
	OVERHAUL KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	88	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-869C MK-869C	MKP-369C MK-369C
	88	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-869C	505-369C
2.3L 143 (2346cc) SOHC Turbo-Diesel L4 (8 Valve), 91mm Bore (Mitsubishi Eng.) 1985-83 4					
L/D Truck VIN Codes "J" 1984-86, "9" 1983, Eng. Code "4D55-T" 1983-86					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	85	222-91	To 3/85
	1	Timing Belt	84-83	222-91	
	1	Bal. Shaft Belt	85-83	222-92	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	83	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	83	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	85	VK-232	
	8	Spring Insert	85-83	259-821B	.060"; Case hardened; Carton of 48
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	85-83	4-68304Y	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	4	Premium Single Cylinder Set	85-83	WE-596KC Std Only	Check piston grooving before supplying ring set; 1-2.50MM, 1-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-83	6593M Std-.25-.50-.75MM	
	1	Rod Set	85-83	4-66675P Std-.25-.50-.75-1.00MM	
	1	Aux. Shaft Set	85-83	1805M	
2.4L 143.4 (2351cc) SOHC L4 (8 Valve), 86.5mm Bore (Mitsubishi Eng.) 1990 5					
L/D Truck VIN Codes "G" 1993, "W" 1990-92, Eng. Code "4G64" 1990-93					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-124	
	1	Timing Belt Tensioner	90	222-105BT	
	1	Timing Belt & Tensioner Set	90	BTS-124	
	1	Bal. Shaft Belt	90	222-159	
	1	Bal. Shaft Belt Tensioner	90	222-161BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	90	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	90	R-958	Exh.
	1	Rocker Shaft	90	RS-658	Exh.
	1	Rocker Shaft	90	RS-659	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90	V-2660 Std Only	Chrome plated stem; 1.4960" Head Dia., .3126" Stem Dia., 4.1410" O.A.L.
	4	Intake	90	V-2661 Std Only	Chrome plated stem; 1.8110" Head Dia., .3140" Stem Dia., 4.1909" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	90	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring, Bulk	90	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	90	ST-2037	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	90	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

5 2.4L 143.4 (2351cc) SOHC L4 (8 Valve), 86.5mm Bore (Mitsubishi Eng.) 1990
(cont.) L/D Truck VIN Codes "G" 1993, "W" 1990-92, Eng. Code "4G64" 1990-93

BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Keeper	90	VK-232		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90	12958P Std Only	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.5mm CD, 21.0mm Pin Dia., Flat Head w/3 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-524KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	90	E-524X Std Only	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90	WE-524KC Std Only	2-1.50MM, 1-4.00MM	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	90	5103M Std-.25-.50-.75MM		
	1	Rod Set	90	4-3485CP Std-.25-.50-.75MM		
	1	Cam Set	90	1858M Std Only		
	1	Bal. Shaft Set	90	1810M		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-43601		
	1	Screen Assy.	90	224-14282		
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	90	260-1709	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90	381-8099		
	RE-RING KIT					
	YEARS	DESCRIPTION				
	90	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		PREMIUM KIT NO. 205-6335	
			Re-ring w/Mains		ECONOMY KIT NO. 205-1335	

6 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-87
L/D Truck VIN Codes "G" 1989-95, "K" 1987-95

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Bal. Shaft Chain	90-87	222-2SR60	60 Links	
	1	Bal. Shaft Chain Guide	90-87	222-297GP		
	1	Timing Belt	90-89	222-153		
	1	Timing Belt	88	222-132		
	1	Timing Belt	87	222-114		
	1	Timing Belt Tensioner	90-89	222-192BT		
	1	Timing Belt Tensioner	88-87	222-191BT		
	1	Timing Belt & Tensioner Set	90-89	BTS-153		
	1	Bal. Shaft Belt Tensioner	90-87	222-1298BT	VIN Code "K"	
	1	Crank Sprocket	90-87	223-640	36 Teeth	
	1	Bal. Shaft Sprocket	90-87	223-642	18 Teeth	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	90-88	CS-785		
	1	Camshaft	90-88	CS-922	w/.020" O/S journals	
	8	Lifter	90-87	HT-2105 Std Only	Hyd. lash adj.	
	8	Lifter, Bulk	90-87	HT-2105B Std Only	Hyd. lash adj.; Carton of 247	
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-88	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B	
	1	Cam/Flwr. Kit	90-88	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B	
	1	Cam/Lifter/Flwr. Kit	90-88	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	88	KCT-785G	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-132, (1) 55-403B	
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Arm	90-88	R-951		
	8	Arm	87	R-912		
	8	Arm, Bulk	90-88	R-951B	Carton of 32	
	8	Arm, Bulk	87	R-912B	Carton of 64	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-87	V-2427 Std-15	4 groove; Chrome plated stem; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-87 **6**
L/D Truck VIN Codes "G" 1989-95, "K" 1987-95 (cont.)

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
4	Exhaust, Bulk	90-87	V-2427B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.3937" Head Dia., .3117" Stem Dia., 4.5210" O.A.L.
4	Intake	90-87	V-2428 Std Only	Chrome plated stem; 1.5980" Head Dia., .3127" Stem Dia., 4.4980" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90-87	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.
4	Guide	90-87	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.
4	Guide	90-87	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.
4	Guide	90-87	VG-869	Int.; .3145" ID, 1.5750" O.A.L.
4	Guide, Bulk	90-87	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
4	Guide, Bulk	90-87	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-88	VS-1457	2.2250" Free Height
8	Spring, Bulk	90-88	VS-1457B	Carton of 250; 2.2250" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-87	MV-1919	Umbrella type; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-87	245-1500-63 Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
4	Int.	90-87	245-1687-51 Std Only	1.6945" OD, 1.3900" ID, .3050" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Keeper	90-87	VK-225	Exh.; 4 groove
8	Keeper	90-87	VK-144	Int.; 1 groove; Square cut key groove
8	Keeper	90-87	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
8	Keeper, Bulk	90-87	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
8	Spring Insert	90-87	259-820B	.030"; Case hardened; Carton of 48
8	Spring Insert	90-87	259-821B	.060"; Case hardened; Carton of 48
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	90-89	571CP Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .147" deep x 3.015" dia. w/2 valve reliefs; DurOshield® skirt coated piston
4	Cast Piston	88-87	533P Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.
4	Cast Piston - Individual	90-89	W571CP Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .147" deep x 3.015" dia. w/2 valve reliefs; DurOshield® skirt coated piston
4	Cast Piston - Individual	88-87	W533P Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.573" CD, .9008" Pin Dia., Recessed Head .188" deep x 2.610" dia. w/2 valve reliefs - 8.1:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-87	E-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Standard Set	90-87	E-454X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90-87	WE-454K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-87	6678MA Std-.25-.50-.75MM	A-Series aluminum bearings
1	Rod Set	90-87	4-3800CPA Std-.25-.50-.75-1.00MM	
4	Rod Pair	90-87	3800CPA Std-.026-.25-.50-.75-1.00MM	
1	Cam Set	90-87	1840M Std Only	
1	Aux. Shaft Set	90-87	1487M	
1	Bal. Shaft Set	90-87	1792MSEMI	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-87	224-4168	
1	Screen Assy.	90-89	224-1568	Exc. Dakota
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90-89	260-1425	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-88	260-1427	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-88	260-1616	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

6 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-87 (cont.) L/D Truck VIN Codes "G" 1989-95, "K" 1987-95						
QTY		GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION	
1		Kit Gasket Set	87	260-1200	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	
1		Head Bolt Set	90-87	260-2501	Replacement recommended; 11MM Head bolts	
QTY		FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1		Brass Block Plug Kit	90-87	381-8050		
K I T S	RE-RING KIT					
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6093M	205-1093M	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6093	205-1093	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6097M	205-1097M	
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6097	205-1097	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6205M	205-1205M	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6205	205-1205	
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6097M	205-1097M	
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6097	205-1097	
	88	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6205M	205-1205M	
	88	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6205	205-1205	
	87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-870M	205-370M	
	87	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Premium valve stem seals incl.	Re-ring	205-870	205-370	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION		MKP-6093C MK-6093C	MKP-1093C MK-1093C	
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons			
90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6093C	505-1093C		
K I T S						

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Dodge Truck (Incl. Minivans and SUV's)

2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-87 **6**
L/D Truck VIN Codes "G" 1989-95, "K" 1987-95 (cont.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	----- MK-1205A	
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6205A MK-6205A	MKP-1205A -----
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-1205A
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6205B	505-1205B
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6205B MK-6205B	MKP-1205B -----
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6208	-----
	90-89	w/One-piece molded rubber valve cover gskt.; Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6208	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6209	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6209	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6210	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6210	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-7057	-----
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-7058	MK-2058
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master	MKP-7059	MKP-2059

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

6 2.5L 153 (2507cc) SOHC L4 (8 Valve), 87.5mm Bore 1990-87
(cont.) L/D Truck VIN Codes "G" 1989-95, "K" 1987-95

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-89	w/Multi-piece valve cover gskt.; Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7059	505-2059
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7060	----
	90-89	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Master	MKP-7060	----
	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6097A MK-6097A	MKP-1097A MK-1097A
K I T S	88	w/Multi-piece valve cover gskt.; Head bolts incl.; Exh. pipe packing not incl.; Rear cam plug not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6097A	505-1097A

7 2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89
L/D Truck VIN Code "J" 1989-90

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Bal. Shaft Chain	90-89	222-2SR60	60 Links
	1	Timing Belt	90-89	222-153	
	1	Timing Belt Tensioner	90-89	222-192BT	
	1	Timing Belt & Tensioner Set	90-89	BTS-153	
	1	Crank Sprocket	90-89	223-640	36 Teeth
V A L V E T R A I N	1	Bal. Shaft Sprocket	90-89	223-642	18 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-785	
	1	Camshaft	90-89	CS-922	w/.020" O/S journals
	8	Lifter	90-89	HT-2105 Std Only	Hyd. lash adj.
	1	Lifter, Bulk	90-89	HT-2105B Std Only	Hyd. lash adj.; Carton of 247
V A L V E T R A I N	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 55-403B
	1	Cam/Flwr. Kit	90-89	KC-785A	Incl. (1) CS-785, (8) R-951, (1) 55-403B
	1	Cam/Lifter/Flwr. Kit	90-89	KC-785C	Hyd.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-89	KCT-785	Hyd.; Incl. (1) CS-785, (8) HT-2105, (1) 222-153, (1) 55-403B
V A L V E T R A I N	1	Cam/Flwr./Timing Kit	90-89	KCT-785A	Incl. (1) CS-785, (8) R-951, (1) 222-153, (1) 55-403B
	1	Cam/Lifter/Flwr./Timing Kit	90-89	KCT-785C	Hyd. lash adj.; Incl. (1) CS-785, (8) HT-2105, (8) R-951, (1) 222-153, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-89	R-951	
	8	Arm, Bulk	90-89	R-951B	Carton of 32
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	4	Exhaust	90-89	V-3940 Std Only	Chrome plated stem; 1.3940" Head Dia., .3116" Stem Dia., 4.5220" O.A.L.
	4	Intake	90-89	V-2434 Std Only	Chrome plated stem; 1.5984" Head Dia., .3127" Stem Dia., 4.4990" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-89	VG-700	Exh.; .008" O/S OD; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-89	VG-870	Exh.; .3145" ID, 1.6930" O.A.L.
	4	Guide	90-89	VG-701	Int.; .008" O/S OD; .3145" ID, 1.5750" O.A.L.
V A L V E T R A I N	4	Guide	90-89	VG-869	Int.; .3145" ID, 1.5750" O.A.L.
	4	Guide, Bulk	90-89	VG-700B	Exh.; .008" O/S OD; Carton of 50; .3145" ID, 1.6930" O.A.L.
	4	Guide, Bulk	90-89	VG-701B	Int.; .008" O/S OD; Carton of 50; .3145" ID, 1.5750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-89	VS-1457	2.2250" Free Height
	8	Spring, Bulk	90-89	VS-1457B	Carton of 250; 2.2250" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-89	MV-1919	Umbrella type; Viton®

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89 **7**
L/D Truck VIN Code "J" 1989-90 (cont.)

QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
				Std Only	
4	Exh.	90-89	245-1500-63	Std Only	1.5070" OD, 1.2100" ID, .3450" Depth
4	Int.	90-89	245-1687-51	Std Only	1.6945" OD, 1.3900" ID, .3050" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
8	Keeper	90-89	VK-225		Exh.; 4 groove
8	Keeper	90-89	VK-144		Int.; 1 groove; Square cut key groove
8	Keeper	90-89	VK-144R		Int.; 1 groove; Square cut key groove; Hardened
8	Keeper, Bulk	90-89	VK-144B		Int.; 1 groove; Square cut key groove; Carton of 1000
8	Spring Insert	90-89	259-820B		.030"; Case hardened; Carton of 48
8	Spring Insert	90-89	259-821B		.060"; Case hardened; Carton of 48
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
				Std.-50-.75-1.00MM	
4	Cast Piston	90-89	H579P	Std.-50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .300" deep x 2.865" dia. w/2 valve reliefs
4	Cast Piston - Individual	90-89	WH579P	Std.-50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.337" CD, .9008" Pin Dia., Recessed Head .300" deep x 2.865" dia. w/2 valve reliefs
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
				Std.-50-.75-1.00MM	
1	Premium Set	90-89	E-453K	Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90-89	WE-453K	Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
				Std.-25-.50-.75MM	A-Series aluminum bearings
1	Main Set	90-89	6678MA	Std.-25-.50-.75MM	
1	Rod Set	90-89	4-3800CPA	Std.-25-.50-.75-1.00MM	
4	Rod Pair	90-89	3800CPA	Std.-026-.25-.50-.75-1.00MM	
1	Aux. Shaft Set	90-89	1487M		
1	Bal. Shaft Set	90-89	1792MSEMI		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	90-89	224-4168		
1	Screen Assy.	90-89	224-1568		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-89	260-1426		Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-89	260-1549		Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Head Bolt Set	90-89	260-2501		Replacement recommended; 11MM Head bolts
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-89	381-8050		
YEARS	DESCRIPTION				RE-RING KIT
					PREMIUM KIT NO. ECONOMY KIT NO.
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Re-ring w/Mains	205-6094M ----
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Re-ring	205-6094 ----
YEARS	DESCRIPTION				OVERHAUL KIT
					PREMIUM KIT NO. ECONOMY KIT NO.
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Master Master w/o Pistons	MKP-6094A ---- MK-6094A ----
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Master w/o Rods & Mains	505-6094A ----
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Block w/Pump & Freeze Plugs	BKP-6218 ----
90-89	Head bolts incl.; Rear cam plug incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			Block	BK-6218 ----

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

7 2.5L 153 (2507cc) SOHC Turbo L4 (8 Valve), 87.5mm Bore 1990-89 (cont.) L/D Truck VIN Code "J" 1989-90					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. BKP-6219	ECONOMY KIT NO. -----
	YEARS	DESCRIPTION			
	90-89	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		
	90-89	Head bolts not incl.; Exh. pipe packing not incl.; Rear cam plug incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6219	-----
8 2.6L 156 (2555cc) SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1989-79 L/D Truck VIN Codes "E" 1984-89, "G" 1984-87, "W" 1979-80, "7" 1981-83, Eng. Code "G54B" 1979-89					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	89-79	KT-1013S	Incl. sprockets, chain, tensioner & guides
	1	Bal. Shaft Set	89-79	KT-1014S	Incl. sprockets, chain & guides
	1	Timing Chain	89-79	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	89-79	222-49CT	
	1	Timing Chain Guide	89-79	222-31GP	Slack Side
	1	Timing Chain Guide	89-79	222-30GP	Tension Side
	1	Bal. Shaft Chain Guide	89-79	222-51GP	Lower
	1	Bal. Shaft Chain Guide	89-79	222-64GP	R.H.
	1	Crank Sprocket	89-79	223-407	Outer; Single row; 34 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-88	CS-810	
	1	Camshaft	87-85	CS-810	VIN Code "E"; w/Hyd. lash adj.
	1	Camshaft	87-84	CS-769	VIN Code "G"; Must use w/new water pump drive pulley O.E. No. MD025669; w/Mech. lash adjusters
	8	Lifter	89-85	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	89-85	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	89-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
4	Arm	89-85	R-958	Exh.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	89-85	V-2313 Std Only	Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Exhaust	84	V-2313 Std Only	From 6/84; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Intake	89-85	V-2312 Std Only	1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
4	Intake	84	V-2312 Std Only	From 6/84; 1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
4	Guide	89-79	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.	
4	Guide	89-79	VG-715	Int.; .3155" ID, 1.8500" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	89-85	VS-1461	Exh. & Int.; 1.9600" Free Height	
8	Spring, Bulk	89-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	89-79	ST-2083	Exh. & Int.; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	89-81	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth	
4	Exh.	80-79	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth	
4	Int.	80-79	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
8	Keeper	89-85	VK-232		
8	Keeper	84	VK-232	From 6/84	
8	Spring Insert	89-79	259-821B	.060"; Case hardened; Carton of 48	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89-84	H605P Std-.50-.75-1.00-1.50MM	VIN Code "E"; Use w/E-439KC ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head
	4	Cast Piston	87-84	12220P.75MM .75-1.00MM	VIN Code "G"; Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.
	4	Cast Piston - Individual	89-84	WH605P Std-.50-.75-1.00-1.50MM	VIN Code "E"; Use w/WE-439KC ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.6L 156 (2555cc) SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1989-79 8						
L/D Truck VIN Codes "E" 1984-89, "G" 1984-87, "W" 1979-80, "7" 1981-83, Eng. Code "G54B" 1979-89 (cont.)						
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	89-84	E-439KC	Std.-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Premium Set	83-81	E-425KC1.00MM	1.00MM	2-2.00MM, 1-4.00MM
	1	Premium Set	80	E-425KC1.00MM	1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM
	1	Standard Set	89-84	E-439X	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-81	E-425X1.00MM	1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	80	E-425X1.00MM	1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-84	WE-439KC	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-81	WE-425KC	Std.-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	80	WE-425KC	Std.-.50-.75-1.00MM	w/Shallow oil ring groove; Check piston grooving before supplying ring set; 2-2.00MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	89-79	6618M	Std.-.25-.50-.75MM	
	1	Rod Set	89-79	4-66675P	Std.-.25-.50-.75-1.00MM	
	1	Cam Set	89-79	1858M	Std Only	
	1	Aux. Shaft Set	89-79	1805M		Rear bal. shaft; Aux. shaft
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	89-79	224-41914		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	89-84	260-1155	VIN Code "E"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87-84	260-1156	VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
KITS	1	Kit Gasket Set	83-81	260-1155	VIN Code "7"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	89-79	260-2513	Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-79	381-8051		
	RE-RING KIT		YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	89-88	VIN Code "E"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-750 205-750M	205-250 205-250M
	87-84	VIN Code "G"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-747 205-747M	205-247 205-247M
	87-84	VIN Code "E"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-750 205-750M	205-250 205-250M
	83-81	VIN Code "7"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-745 205-745M	205-245 205-245M
	OVERHAUL KIT		YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
KITS	87-85	VIN Code "G"; Exh. pipe packing not incl.; Must use w/new water pump drive pulley O.E. No. MD025669; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master Master w/o Pistons	MKP-747C MK-747C	----- MK-247C
	84	VIN Code "G"; Exh. pipe packing not incl.; Must use w/new water pump drive pulley O.E. No. MD025669; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master Master w/o Pistons	MKP-747C MK-747C	----- MK-247C
2.8L 170 OHV L6, 3.4063" Bore 1969-60 9						
L/D Truck VIN Codes "A" 1966-69, "6" 1968-69						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	69-61	KT3-495SA	Incl. (1) KT3-495SA	
	1	Timing Chain	69-61	222-495	Silent type; 50 Links	
	1	Crank Sprocket	69-61	223-291	Use w/silent type chain; 19 Teeth	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

9 2.8L 170 OHV L6, 3.4063" Bore 1969-60
(cont.) L/D Truck VIN Codes "A" 1966-69, "6" 1968-69

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69-61	CS-380	
	12	Lifter	69-61	AT-2084 Std Only	Dumbbell shaped mech.
	12	Lifter, Bulk	69-61	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
VALVE TRAIN	1	Prelube	69-61	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-61	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Push Rod	69-61	RP-3079	8.5220" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	69-61	RS-620	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	6	Exhaust	69-61	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	69-61	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Intake	69-61	V-1434 Std Only	2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Guide	69-61	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	69-61	VS-510	2.0000" Free Height
	12	Spring, Bulk	69-61	VS-510B	Carton of 250; 2.0000" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	69-61	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	69-61	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	6	Valve Stem Seal	69-63	MV-1918	Exh.; Umbrella type; Viton®
VALVE TRAIN	6	Valve Stem Seal	69-63	MV-1771C	Int.; Umbrella type; Polyacrylate
	6	Valve Stem Seal	62-61	MV-1599C	Int.; Umbrella type; Rubber
	6	Valve Stem Seal Bulk	69-63	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	12	Valve Stem Seal Bulk	69-61	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	12	Valve Stem Seal Bulk	69-61	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	6	Valve Stem Seal Bulk	62-61	MV-1599	Int.; Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	69-61	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth
VALVE TRAIN	6	Int.	69-61	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	69-61	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Keeper	69-61	VK-174	Exh.; 4 groove
	12	Keeper	69-61	VK-174R	Exh.; 4 groove; Hardened
	12	Keeper	69-61	VK-66	Int.; 2 groove
	12	Keeper	69-61	VK-66R	Int.; 2 groove; Hardened
VALVE TRAIN	12	Spring Insert	69-61	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	69-61	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	69-61	259-103BRS	.030"; ID 1.030"; Carton of 500
	12	Spring Insert	69-61	259-103A	.060"; ID 1.030"; Carton of 100
VALVE TRAIN	12	Spring Insert	69-61	259-103ARS	.060"; ID 1.030"; Carton of 500
	6	Rotocap	69-61	RC-78S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	69-61	244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
	6	Cast Piston - Individual	69-61	W244NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Premium Set	69-61	E-196K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	69-61	E-196X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	69-61	WE-196K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	69-61	WE-196X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-61	4092M Std-10-20-30	
	1	Rod Set	69-61	6-2375CP Std-10-20-30-40	6-2375CA 60 avail. as unplated & resizeable
	6	Rod Pair	69-61	2375CP Std-10-20-30-40	
BLOCK	1	Cam Set	69-61	1454M Std Only	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

2.8L 170 OHV L6, 3.4063" Bore 1969-60 9						
L/D Truck VIN Codes "A" 1966-69, "6" 1968-69 (cont.)						
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69-61	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump	
	1	Oil Pump	69-61	224-4165V	High Volume; Will replace 5 bolt pump	
	1	Screen Assy.	69	224-14157	From Ser. No. 2098000	
	1	Screen Assy.	68	224-14157		
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-60	260-1004	Premium valve stem seals incl.	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-60	381-8012		
KITS	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.	
	69-61	Premium valve stem seals incl.		205-602	205-102	
				Re-ring		
				Re-ring w/Mains	205-602M	205-102M
	OVERHAUL KIT				PREMIUM	ECONOMY
KITS	YEARS	DESCRIPTION		KIT NO.	KIT NO.	
	69-61	Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump		Master	MKP-602A	
				Master w/o Pistons	MK-602A	MK-102A
	69-61	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump		Master w/o Rods & Mains	505-602A	505-102A
3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-87 10						
L/D Truck VIN Codes "S" 1989-92, "3" 1987-2000, Eng. Code "6G72" 1987-2000						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-87	222-139		
	1	Timing Belt Tensioner	90-87	222-195BT		
	1	Timing Belt & Tensioner Set	90-87	BTS-139		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90	CS-865	L.H. Front; 16" length w/gear; Hyd. rlr.	
	1	Camshaft	90	CS-864	R.H. Rear; 14.5" length; Hyd. rlr.	
	1	Camshaft	89-87	CS-820	L.H. Front; 16" length w/gear	
	1	Camshaft	89-87	CS-822	R.H. Rear; 14.5" length	
	12	Lifter	90-87	HT-6000 Std Only	Hyd. lash adj.	
	12	Lifter, Bulk	90-87	HT-6000B Std Only	Hyd. lash adj.; Carton of 128	
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90	KC-865	Front; Incl. 16" L.H. Front rlr. camshaft w/gear; Incl. (1) CS-865, (6) HT-6000, (1) 55-403B	
	1	Cam/Lifter Kit	90	KC-866	Front & Rear; Incl. 14.5" R.H. Rear & 16" L.H. Front rlr. camshafts w/gear; Incl. (1) CS-864, (1) CS-865, (6) HT-6000, (1) 55-403B	
	1	Cam/Lifter Kit	90	KC-864	Rear; Incl. 14.5" R.H. Rear rlr. camshaft w/gear; Incl. (1) CS-864, (6) HT-6000, (1) 55-403B	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm	90-87	R-1003	w/Mech. lifters	
	12	Arm	90-87	R-1122	w/Rlr. lifters	
	1	Rocker Shaft	90-87	RS-699	Exh.	
	1	Rocker Shaft	90-87	RS-700	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	90-87	V-3952 Std Only	Nitrided stem; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.	
	6	Exhaust, Bulk	90-87	V-3952B Std Only	1 groove; Nitrided stem; Carton of 25; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.	
	6	Intake	90-87	V-2563 Std Only	Nitrided stem; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.	
	6	Intake, Bulk	90-87	V-2563B Std Only	Nitrided stem; Carton of 25; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.	
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	90-87	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.	
	6	Guide	90-87	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.	
	6	Guide	90-87	VG-710	Int.; .3155" ID, 1.7280" O.A.L.	
	6	Guide, Bulk	90-87	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.	
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	90-87	VS-1461	Exh. & Int.; 1.9600" Free Height	
	12	Spring, Bulk	90-87	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

10 3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-87
 (cont.) L/D Truck VIN Codes "S" 1989-92, "3" 1987-2000, Eng. Code "6G72" 1987-2000

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	90-87	ST-2037	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Exh.	90-87	245-1562-69	Std Only	1.5695" OD, 1.2190" ID, .3170" Depth
6	Int.	90-87	245-1750-61	Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	90-87	VK-232		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	90-87	H834CP	Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
6	Cast Piston - Individual	90-87	WH834CP	Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	90-87	6KH834CP	Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-87	E-528KC	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Standard Set	90-87	E-528X	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	90-87	WE-528KC	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-87	7090M	Std-.25-.50-.75MM	
1	Thrust Washer Set	90-87	1736AF	Std Only	Position 3
1	Rod Set	90-87	6-1735CP	Std-.25-.50-.75MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	90-89	224-43653		VIN Code "S"
1	Oil Pump	90-87	224-42000		VIN Code "3"
1	Pump Repair Kit	90-87	224-51385		FWD & RWD
1	Screen Assy.	90-87	224-15048		VIN Code "3"
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-89	260-1839		RWD; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-89	260-1432		VIN Code "S"; Exc. Ram 50; Upper int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-87	260-1432		VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
1	Head Bolt Set	90-87	260-2516		Replacement recommended
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-87	381-8090		
RE-RING KIT	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90-89		VIN Code "S"; Exc. Ram 50; Upper int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6102 205-6102M	205-1102 205-1102M
90-89		RWD; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6882 205-6882M	205-1882 205-1882M
90-87		VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6102 205-6102M	205-1102 205-1102M
OVERHAUL KIT	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90		VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block	BK-6254	----
90		VIN Code "3"; Head bolts not incl.; Freeze plugs not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6329A MK-6329A 505-6329A	MKP-1329A MK-1329A 505-1329A
90-89		VIN Code "S"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block w/Pump & Freeze Plugs Block	BKP-6301 BK-6301	----- -----

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3.0L 181.1 (2972cc) SOHC V6 (12 Valve), 91.1mm Bore (Mitsubishi Eng.) 1990-87 10
L/D Truck VIN Codes "S" 1989-92, "3" 1987-2000, Eng. Code "6G72" 1987-2000 (cont.)

K I T S	OVERHAUL KIT (cont.)			P R E M I U M K I T N O.	E C O N O M Y K I T N O.
	YEARS	DESCRIPTION			
	90-87	VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block w/Pump & Freeze Plugs		
	89	VIN Code "S"; Exc. Ram 50; Upper int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block		
	89	VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block		
	89	VIN Code "S"; Exc. Ram 50; Upper int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		
	88-87	VIN Code "3"; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block		

3.2L 198 OHV L6, 3.4063" Bore 1973-70 11
L/D Truck VIN Code "A" 1970-73

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	73-70	KT3-495SA	Incl. (1) KT3-495SA
	1	Timing Chain	73-70	222-495	Silent type; 50 Links
	1	Crank Sprocket	73-70	223-291	Use w/silent type chain; 19 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	73-70	CS-380	
	12	Lifter	73-70	AT-2084 Std Only	Dumbbell shaped mech.
	12	Lifter, Bulk	73-70	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
	1	Prelube	73-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	73-70	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	71-70	RP-3036	9.9540" O.A.L.
	12	Push Rod, Bulk	71-70	BRP-3036	Carton of 100; 9.9540" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	71-70	RS-620	
	12	Adj. Screw	71-70	MR-1933	Engs. w/Mech. lifters
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	73-70	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	73-70	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Intake	73-70	V-1434 Std Only	2 groove; 1.6200" Head Dia., .3725" Stem Dia., 4.7740" O.A.L.
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	73-71	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	12	Guide	73-70	VG-5087	Exh. & Int.; Bronze; .3740" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	73-70	VS-510	2.0000" Free Height
	12	Spring, Bulk	73-70	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	73-70	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	6	Valve Stem Seal	73-70	MV-1918	Exh.; Umbrella type; Viton®
	6	Valve Stem Seal	73-70	MV-1771C	Int.; Umbrella type; Polyacrylate
V A L V E T R A I N	12	Valve Stem Seal Bulk	73-70	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	6	Valve Stem Seal Bulk	73-70	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	73-70	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth
	6	Int.	73-70	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	73-70	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	73-70	VK-174	Exh.; 4 groove
	12	Keeper	73-70	VK-174R	Exh.; 4 groove; Hardened
	12	Keeper	73-70	VK-66	Int.; 2 groove

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

11 3.2L 198 OHV L6, 3.4063" Bore 1973-70

(cont.) L/D Truck VIN Code "A" 1970-73

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK		
	12	Keeper	73-70	VK-66R	Int.; 2 groove; Hardened			
	12	Spring Insert	73-70	259-103C	.015"; ID 1.030"; Carton of 100			
	12	Spring Insert	73-70	259-103B	.030"; ID 1.030"; Carton of 100			
	12	Spring Insert	73-70	259-103BRS	.030"; ID 1.030"; Carton of 500			
	12	Spring Insert	73-70	259-103A	.060"; ID 1.030"; Carton of 100			
	12	Spring Insert	73-70	259-103ARS	.060"; ID 1.030"; Carton of 500			
	6	Rotocap	73-70	RC-78S				
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION			
	6	Cast Piston	73-70	244NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.			
6	Cast Piston - Individual	73-70	W244NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK			
1	Premium Set	73-70	E-196K	Std-20-30-40-60 2-5/64, 1-3/16				
1	Standard Set	73-70	E-196X	Std-20-30-40-60 2-5/64, 1-3/16				
6	Premium Single Cylinder Set	73-70	WE-196K	Std-20-30-40-60 2-5/64, 1-3/16				
6	Standard Single Cylinder Set	73-70	WE-196X	Std-20-30-40-60 2-5/64, 1-3/16				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION				
1	Main Set	73-70	4092M	Std-10-20-30 6-2375CA 60 avail. as unplated & resizeable				
1	Rod Set	73-70	6-2375CP	Std-10-20-30-40				
6	Rod Pair	73-70	2375CP	Std-10-20-30-40				
1	Cam Set	73-70	1454M	Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK			
1	Oil Pump	73-70	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump				
1	Oil Pump	73-70	224-4165V	High Volume; Will replace 5 bolt pump				
1	Screen Assy.	73-70	224-14157					
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION				
1	Kit Gasket Set	73-70	260-1004	Premium valve stem seals incl.				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION				
1	Brass Block Plug Kit	73-70	381-8012					
KITS	RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION						
	73-70	Premium valve stem seals incl.		Re-ring	205-602	205-102		
				Re-ring w/Mains	205-602M	205-102M		
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.		
YEARS	DESCRIPTION							
73-70	Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump		Master	MKP-602A	MKP-102A			
			Master w/o Pistons	MK-602A	MK-102A			
73-70	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump		Master w/o Rods & Mains	505-602A	505-102A			

12 3.3L 201 (3302cc) OHV V6 (12 Valve), 93mm Bore 1990

L/D Truck VIN Codes "G" 1998-2001 (Flex Fuel), "R" 1990-2008, "S" 2004 (Flex Fuel), "U" 1994-96 (Flex Fuel), "3" 2001-2008 (Flex Fuel)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	90	KT3-388S	Incl. (1) 222-388, (1) 223-715, (1) 223-788	
	1	Timing Chain	90	222-388	64 Links	
	1	Crank Sprocket	90	223-715	20 Teeth	
	1	Cam Sprocket	90	223-788	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90	CS-1503		
VALVE TRAIN	12	Lifter	90	HT-2269	Std Only	VALVE TRAIN
	12	Lifter, Bulk	90	HT-2269B	Std Only	
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	1	Cam/Lifter Kit	90	KC-1503	Hyd. rlr.; Incl. (1) CS-1503, (12) HT-2269, (1) 55-403B	VALVE TRAIN
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	90	RP-3279	5.1160" O.A.L.	
VALVE TRAIN	12	Push Rod, Bulk	90	BRP-3279	Carton of 100; 5.1160" O.A.L.	VALVE TRAIN
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	12	Arm	90	R-1094		VALVE TRAIN
	2	Rocker Shaft	90	RS-725		
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	6	Exhaust	90	V-2558	Std Only	
VALVE TRAIN					Chrome plated stem; 1.4760" Head Dia., .3116" Stem Dia., 4.9740" O.A.L.	VALVE TRAIN

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3.3L 201 (3302cc) OHV V6 (12 Valve), 93mm Bore 1990 12				
L/D Truck VIN Codes "G" 1998-2001 (Flex Fuel), "R" 1990-2008, "S" 2004 (Flex Fuel), "U" 1994-96 (cont.) (Flex Fuel), "3" 2001-2008 (Flex Fuel)				
B L O C K	QTY 6	VALVE (cont.) Intake	YEARS 90	DESCRIPTION V-2557 Std Only
	QTY 12	VALVE GUIDE Guide	YEARS 90	DESCRIPTION VG-910
	QTY 12	VALVE SPRING Spring	YEARS 90	DESCRIPTION VS-1458
	QTY 12	VALVE SEAL Valve Stem Seal	YEARS 90	DESCRIPTION ST-2015
	QTY 12	VALVE SEAL Valve Stem Seal	YEARS 90	DESCRIPTION MV-1919
	QTY 6	VALVE SEAT Exh.	YEARS 90	DESCRIPTION 245-1562-74 Std Only
B L O C K	QTY 12	VALVE, MISC Keeper	YEARS 90	DESCRIPTION VK-225
	QTY 12	VALVE, MISC Spring Insert	YEARS 90	DESCRIPTION 259-820B
	QTY 6	PISTON Cast Piston	YEARS 90	DESCRIPTION 574CP Std-.50-.75-1.00MM
	6	Cast Piston - Individual	90	W574CP Std-.50-.75-1.00MM
	QTY 1	RINGS Premium Set	YEARS 90	DESCRIPTION E-529K Std-.50-.75-1.00MM
	QTY 6	RINGS Premium Single Cylinder Set	YEARS 90	DESCRIPTION WE-529K Std-.50-.75MM
	QTY 1	ENGINE BEARINGS Main Set	YEARS 90	DESCRIPTION 7278MA Std-.25-.50-.75MM
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 90	DESCRIPTION 6-1920RA Std-.25-.50-.75MM
	QTY 6	ENGINE BEARINGS Rod Pair	YEARS 90	DESCRIPTION 1920RA Std-.25-.50MM
	QTY 1	ENGINE BEARINGS Cam Set	YEARS 90	DESCRIPTION 1809M Std Only
	QTY 1	ENGINE BEARINGS Cam Set	YEARS 90	DESCRIPTION 1894M Std Only
	QTY 1	OIL PUMP Pump Repair Kit	YEARS 90	DESCRIPTION 224-51384
K I T S	QTY 1	OIL PUMP Screen Assy.	YEARS 90	DESCRIPTION 224-15051
	QTY 1	GASKETS Kit Gasket Set	YEARS 90	DESCRIPTION 260-1646
	1	Valley Pan Gasket Set	90	260-4030
	QTY 1	GASKETS Head Bolt Set	YEARS 90	DESCRIPTION 260-2520
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 90	DESCRIPTION 381-8060
	RE-RING KIT			
	YEARS 90	DESCRIPTION Head bolts not incl.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	PREMIUM KIT NO. 205-6206A ECONOMY KIT NO. 205-6206AM
	OVERHAUL KIT			
	YEARS 90	DESCRIPTION Head bolts not incl.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	PREMIUM KIT NO. MKP-6206A ECONOMY KIT NO. MK-6206A
	90	Head bolts not incl.; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6206A
	90	Int. manifold gskt. not incl.; Head bolts not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6228
3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.25" Bore 1956-33 13				
L/D Truck				
QTY 1	TIMING Timing Chain	YEARS 54-41	PART NO. 222-401	DESCRIPTION 48 Links
QTY 6	VALVE Exhaust	YEARS 56-41	PART NO. V-1351 Std Only	DESCRIPTION 1.4070" Head Dia., .3405" Stem Dia., 4.8410" O.A.L.

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

13 3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.25" Bore 1956-33 (cont.) L/D Truck

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
6	Intake	56-41	V-1086 Std Only	1.5310" Head Dia., .3405" Stem Dia., 4.8450" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	56-41	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.
6	Guide	56-41	VG-420	Int.; .3425" ID, 2.8130" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	56-41	VS-304	w/o Rotocaps; 2.0000" Free Height
12	Spring	56-41	VS-506	Use w/Rotocaps; 1.8570" Free Height
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Int.	56-41	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
6	Int.	56-41	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	56-41	VK-63	2 groove; Round key groove
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	56-33	37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
6	Cast Piston - Individual	56-33	W37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.
6	Pin Bushing	56-33	8649XAS	Full round, thin wall .0055" O/S OD bushing
6	Pin Bushing	56-33	8649XA	Full round, thin wall bushing w/.9150" OD
6	Pin Bushing	56-33	8649V	Split type, thin wall bushing w/.9135" OD
6	Pin Bushing	56-33	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	56-41	E-108KC Std-30-60	2-3/32, 2-5/32
1	Standard Set	56-41	E-108X Std-30-40-60	2-3/32, 2-5/32
6	Standard Single Cylinder Set	56-41	WE-108X Std-30	2-3/32, 2-5/32
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	56-33	SL-123M Std Only	3/32" wall, cut to length; Press fit sleeve
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	56-33	415M Std-10-20-30-40	w/M/T
1	Rod Set	56-33	6-9185CP Std-10-20-30-40	
6	Rod Pair	56-33	9185CP Std-10-20-30-40	
1	Cam Set	56-33	1010M Std Only	

14 3.6L 217.8 L-HEAD L6 (Dodge/Plymouth), 3.375" Bore 1954-38 L/D Truck

QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Pin Bushing	54-38	8649XAS	Full round, thin wall .0055" O/S OD bushing
6	Pin Bushing	54-38	8649XA	Full round, thin wall bushing w/.9150" OD
6	Pin Bushing	54-38	8649V	Split type, thin wall bushing w/.9135" OD
6	Pin Bushing	54-38	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	54-38	485M Std-10-20-30-40	
6	Rod Pair	54-38	9560CPA Std-10-20-30-40-50	
1	Cam Set	54-38	1011M Std Only	

15 3.7L 225 OHV L6, 3.4063" Bore 1987-60 L/D Truck VIN Codes "B" 1966-80, "C" 1970-71 & 1974-77, "E" 1978 & 1981-83, "H" 1981-87, "M" 1983, "N" 1979-80, "W" 1982, "X" 1970-79, "6" 1968-70

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	87-77	KT3-495SA	w/1 Bbl. Carb.; Incl. (1) KT3-495SA
1	3 Piece Set	76-70	KT3-495SA	w/1 Bbl. Carb.; Incl. (1) KT3-495SA
1	3 Piece Set	69-61	KT3-495SA	Incl. (1) KT3-495SA
1	Timing Chain	87-78	222-495	w/1 Bbl. Carb.; Silent type; 50 Links
1	Timing Chain	77-70	222-495	w/1 Bbl. Carb.; Silent type; 50 Links
1	Timing Chain	77-70	222-168	w/2 Bbl. Carb.; Double rlr.; 66 Links
1	Timing Chain	69-62	222-168	Double rlr.; 66 Links
1	Timing Chain	69-62	222-495	Silent type; 50 Links
1	Timing Chain	61	222-495	Silent type; 50 Links
1	Crank Sprocket	87-78	223-291	w/1 Bbl. Carb.; Use w/silent type chain; 19 Teeth
1	Crank Sprocket	77-70	223-291	w/1 Bbl. Carb.; Use w/silent type chain; 19 Teeth
1	Crank Sprocket	77-70	223-339	w/2 Bbl. Carb.; Double row; 25 Teeth
1	Crank Sprocket	69-62	223-339	Double row; 25 Teeth
1	Crank Sprocket	69-62	223-291	Use w/silent type chain; 19 Teeth
1	Crank Sprocket	61	223-291	Use w/silent type chain; 19 Teeth

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Dodge Truck (Incl. Minivans and SUV's)

3.7L 225 OHV L6, 3.4063" Bore 1987-60 **15**

L/D Truck VIN Codes "B" 1966-80, "C" 1970-71 & 1974-77, "E" 1978 & 1981-83, "H" 1981-87, "M" 1983, "N" 1979-80, "W" 1982, "X" 1970-79, "6" 1968-70 (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	87-81	CS-709	
	1	Camshaft	80-61	CS-380	
	12	Lifter	87-81	HT-2089 Std Only	Hyd.
	12	Lifter	80-61	AT-2084 Std Only	Dumbbell shaped mech.
	12	Lifter, Bulk	87-81	HT-2089B Std Only	Hyd.; Carton of 117
	12	Lifter, Bulk	80-61	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
	1	Prelube	87-61	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	87-81	KC-709	Hyd.; Incl. (1) CS-709, (12) HT-2089, (1) 55-403B
	1	Cam/Lifter Kit	80-61	KC-380	Dumbbell shaped mech.; Incl. (12) AT-2084, (1) CS-380, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	87-81	RP-3208	9.9850" O.A.L.
	12	Push Rod	80-61	RP-3036	9.9540" O.A.L.
	12	Push Rod, Bulk	87-81	BRP-3208	Carton of 100; 9.9850" O.A.L.
	12	Push Rod, Bulk	80-61	BRP-3036	Carton of 100; 9.9540" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	87-81	R-893	
	12	Arm, Bulk	87-81	R-893B	Carton of 64
	1	Rocker Shaft	80-61	RS-620	
	12	Adj. Screw	80-61	MR-1933	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	87-79	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust	78	V-4093 Std-15	VIN Code "E"; 1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust	77-74	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust	73-72	V-4093 Std-15	Exc. w/air pump; 1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust	71-61	V-4093 Std-15	1.3600" Head Dia., .3715" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	87-79	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	78	V-4093B15 15	VIN Code "E"; Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	77-74	V-4093B15 15	Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	6	Exhaust, Bulk	73-72	V-4093B15 15	Exc. w/air pump; Carton of 25; 1.3600" Head Dia., .3865" Stem Dia., 4.7970" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	87-61	VG-5087	Exh. & Int.; Bronze; .3740" ID, 2.5000" O.A.L.
	6	Guide	87-61	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	6	Spring	87-61	VS-510	Exh. & Int.; 2.0000" Free Height
	6	Spring, Bulk	87-61	VS-510B	Exh. & Int.; Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	87-78	ST-2048	Int.; Positive type; Viton®
	12	Valve Stem Seal	87-61	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	87-61	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	87-78	MV-1918	Exh.; Umbrella type; Viton®
	6	Valve Stem Seal	77-63	MV-1771C	Int.; Umbrella type; Polyacrylate
	6	Valve Stem Seal	77-61	MV-1918	Exh.; O.E. design; Umbrella type; Viton®
	6	Valve Stem Seal	62-61	MV-1598C	Int.; Umbrella type; Rubber
	12	Valve Stem Seal Bulk	87-61	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	12	Valve Stem Seal Bulk	87-61	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	6	Valve Stem Seal Bulk	77-63	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
	6	Valve Stem Seal Bulk	62-61	MV-1598	Int.; Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	87-61	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth
	6	Int.	87-61	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	87-61	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

15 3.7L 225 OHV L6, 3.4063" Bore 1987-60

(cont.) L/D Truck VIN Codes "B" 1966-80, "C" 1970-71 & 1974-77, "E" 1978 & 1981-83, "H" 1981-87, "M" 1983, "N" 1979-80, "W" 1982, "X" 1970-79, "6" 1968-70

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	87-61	VK-66	2 groove
24	Keeper	87-61	VK-66R	2 groove; Hardened
24	Keeper	87-61	VK-174	4 groove
24	Keeper	87-61	VK-174R	4 groove; Hardened
12	Spring Insert	87-61	259-103C	.015"; ID 1.030"; Carton of 100
12	Spring Insert	87-61	259-103B	.030"; ID 1.030"; Carton of 100
12	Spring Insert	87-61	259-103BRS	.030"; ID 1.030"; Carton of 500
12	Spring Insert	87-61	259-103A	.060"; ID 1.030"; Carton of 100
12	Spring Insert	87-61	259-103ARS	.060"; ID 1.030"; Carton of 500
6	Rotocap	87-61	RC-78S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	87-61	244NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
6	Cast Piston - Individual	87-61	W244NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.740" CD, .9011" Pin Dia., Flat Head - 8.2:1 C.R.
6	Pin Bushing	87-61	2134Y	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	87-61	E-196K	Std-20-30-40-60 2-5/64, 1-3/16
1	Standard Set	87-61	E-196X	Std-20-30-40-60 2-5/64, 1-3/16
6	Premium Single Cylinder Set	87-61	WE-196K	Std-20-30-40-60 2-5/64, 1-3/16
6	Standard Single Cylinder Set	87-61	WE-196X	Std-20-30-40-60 2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	87-77	5070M	Std-10-20-30-40 w/Cast crankshaft
1	Main Set	76	5070M	Std-10-20-30-40 w/Forged crankshaft
1	Main Set	76	4092M	Std-10-20-30
1	Main Set	75-61	4092M	Std-10-20-30
1	Rod Set	87-77	6-3695RA	Std-10-20-30-40 A-Series aluminum bearings
1	Rod Set	76	6-3695RA	Std-10-20-30-40 w/Cast crankshaft; A-Series aluminum bearings
1	Rod Set	76	6-2375CP	Std-10-20-30-40 w/Forged crankshaft; 6-2375CA 60 avail. as unplated & resizeable
1	Rod Set	75-61	6-2375CP	Std-10-20-30-40 6-2375CA 60 avail. as unplated & resizeable
6	Rod Pair	87-77	3695RA	Std-1-10-20-30-40 A-Series aluminum bearings
6	Rod Pair	76	3695RA	Std-1-10-20-30-40 w/Cast crankshaft; A-Series aluminum bearings
6	Rod Pair	76	2375CP	Std-10-20-30-40 w/Forged crankshaft
6	Rod Pair	75-61	2375CP	Std-10-20-30-40
1	Cam Set	87-79	1473M	Std Only
1	Cam Set	78-61	1454M	Std Only
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	87-61	224-4165C	w/.826" rotor thickness; 5 bolt pump; Will replace early 6 bolt pump
1	Oil Pump	87-61	224-4165V	High Volume; Will replace 5 bolt pump
1	Screen Assy.	83-81	224-14157	
1	Screen Assy.	81-78	224-14226	Forward control chassis
1	Screen Assy.	78-73	224-14157	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	87-81	260-1038	Premium valve stem seals incl.
1	Kit Gasket Set	80-60	260-1004	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	87-60	381-8012	
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
87-81	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-604 205-604M	205-104 205-104M
80-77	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-603 205-603M	205-103 205-103M
76	w/Forged crankshaft; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-602 205-602M	205-102 205-102M
76	w/Cast crankshaft; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-603 205-603M	205-103 205-103M
75-61	Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-602 205-602M	205-102 205-102M
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
87-81	w/1 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-604A MK-604A	MKP-104A MK-104A

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3.7L 225 OHV L6, 3.4063" Bore 1987-60 **15**

L/D Truck VIN Codes "B" 1966-80, "C" 1970-71 & 1974-77, "E" 1978 & 1981-83, "H" 1981-87, "M" (cont.) 1983, "N" 1979-80, "W" 1982, "X" 1970-79, "6" 1968-70

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	87-81	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-604A	505-104A
	80-79	w/1 Bbl. Carb.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603C MK-603C	MKP-103C MK-103C
	80-79	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-603C	505-103C
	78-77	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	78-77	w/1 Bbl. Carb.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603A MK-603A	MKP-103A MK-103A
	76	w/Forged crankshaft; w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	76	w/1 Bbl. Carb.; w/Cast crankshaft; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-603A MK-603A	MKP-103A MK-103A
	76-70	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A
	75-70	w/1 Bbl. Carb.; Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	69-61	Premium valve stem seals incl.; Incl. 5 bolt oil pump w/.826" rotor thickness; Will replace early 6 bolt pump	Master Master w/o Pistons	MKP-602A MK-602A	MKP-102A MK-102A
	69-61	Premium valve stem seals incl.; Incl. 5 bolt oil pump; w/.826" rotor thickness; Will replace early 6 bolt pump	Master w/o Rods & Mains	505-602A	505-102A

3.7L 228.1 L-HEAD L6 (DeSoto), 3.375" Bore 1956-36 **16**
L/D Truck

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Pin Bushing	56-36	8649XAS	Full round, thin wall .0055" O/S OD bushing	
	6	Pin Bushing	56-36	8649XA	Full round, thin wall bushing w/.9150" OD	
	6	Pin Bushing	56-36	8649V	Split type, thin wall bushing w/.9135" OD	
	6	Pin Bushing	56-36	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	56-36	485M	Std-10-20-30-40	
	6	Rod Pair	56-36	9560CPA	Std-10-20-30-40-50	
	1	Cam Set	56-36	1011M	Std Only	

3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore 1960-46 **17**
L/D Truck

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain	60-59	222-494	48 Links	
	1	Timing Chain	54-46	222-401	48 Links	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	60-46	V-1351	Std Only	
	6	Intake	60-46	V-1086	Std Only	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	60-46	VG-419	Exh.; .3445" ID, 2.8130" O.A.L.	
	6	Guide	60-46	VG-420	Int.; .3425" ID, 2.8130" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	60-46	VS-304	w/o Rotocaps; 2.0000" Free Height	
	12	Spring	60-46	VS-506	Use w/Rotocaps; 1.8570" Free Height	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Int.	60-46	245-1625-1N	Std Only	
	6	Int.	60-46	245-1625-1	Std Only	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

17 3.8L 230 L-HEAD L6 (Dodge), 3.25" Bore 1960-46 (cont.) L/D Truck

BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	24	Keeper	60-46	VK-63	2 groove; Round key groove	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Cast Piston	60-46	37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.	
	6	Cast Piston - Individual	60-46	W37P Std-20-30-40-60-80	Cast; 2-3/32", 2-5/32" Ring Groove, 1.980" CD, .8591" Pin Dia., Flat Head - 7.8:1 C.R.	
	6	Pin Bushing	60-56	1904V	Split type bushing	
	6	Pin Bushing	60-48	8649XAS	Full round, thin wall .0055" O/S OD bushing	
	6	Pin Bushing	60-48	8649XA	Full round, thin wall bushing w/.9150" OD	
	6	Pin Bushing	60-48	8649V	Split type, thin wall bushing w/.9135" OD	
	6	Pin Bushing	60-48	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
	6	Pin Bushing	55	1904V	From Ser. No. 17001; Split type bushing	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	60-46	E-108KC Std-30-60	2-3/32, 2-5/32	
	1	Standard Set	60-46	E-108X Std-30-40-60	2-3/32, 2-5/32	
	6	Standard Single Cylinder Set	60-46	WE-108X Std-30	2-3/32, 2-5/32	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	60-46	SL-123M Std Only	3/32" wall, cut to length; Press fit sleeve	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	60-48	415M Std-10-20-30-40	w/M/T	
	1	Rod Set	60-48	6-9185CP Std-10-20-30-40		
	6	Rod Pair	60-48	9185CP Std-10-20-30-40		
	1	Cam Set	60-48	1010M Std Only		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	60-46	224-4160	w/rotor pump; w/Ext. drive gear; Rotor type	

18 3.9L 236.6 L-HEAD L6 (DeSoto), 3.4375" Bore 1950-42 L/D Truck

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	50-42	222-401	48 Links	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	50-49	V-1004 Std Only	1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.	
	6	Exhaust	48	V-1004 Std Only	Chrysler; From Ser. No. 175886; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.	
	6	Exhaust	48	V-1004 Std Only	Dodge; From Ser. No. 18448; 1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.	
	6	Intake	50-42	V-1005 Std Only	1.7180" Head Dia., .3410" Stem Dia., 4.8450" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	50-42	VG-419	Exh.; Use w/V-1004; .3445" ID, 2.8130" O.A.L.	
	6	Guide	50-42	VG-420	Int.; .3425" ID, 2.8130" O.A.L.	
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	12	Spring	50-42	VS-304	w/o Rotocaps; 2.0000" Free Height	
	12	Spring	50-42	VS-506	Use w/Rotocaps; 1.8570" Free Height	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	50-42	245-1640-1 Std Only	1.6395" OD, 1.3750" ID, .2480" Depth	
	6	Int.	50-42	245-1812-1N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth	
	6	Int.	50-42	245-1812-1 Std Only	1.8175" OD, 1.5625" ID, .2480" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	24	Keeper	50-42	VK-63	2 groove; Round key groove	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Cast Piston	50-42	32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
	6	Cast Piston - Individual	50-42	W32NP Std-20-30-40-60	Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.	
	6	Pin Bushing	50-42	8649XAS	Full round, thin wall .0055" O/S OD bushing	
	6	Pin Bushing	50-42	8649XA	Full round, thin wall bushing w/.9150" OD	
	6	Pin Bushing	50-42	8649V	Split type, thin wall bushing w/.9135" OD	
	6	Pin Bushing	50-42	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	50-42	E-107X Std-30-40-60	2-3/32, 2-5/32	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	50-42	485M Std-10-20-30-40		
	6	Rod Pair	50-42	9560CPA Std-10-20-30-40-50		
	1	Cam Set	50-42	1011M Std Only		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3.9L 236.6 L-HEAD L6 (DeSoto), 3.4375" Bore 1950-42 **18**
L/D Truck (cont.)

QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	50-42	224-4160	Rotor type

3.9L 239 OHV V6 (12 Valve), 3.9063" Bore 1990-86 19 L/D Truck VIN Codes "M" 1986-87, "X" 1988-2003				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-87	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	90-87	KT3-380S	Incl. silent type chain; Incl. (1) 222-380, (1) 223-712, (1) 223-721
1	Timing Chain	90-87	222-160	Double rlr.; 68 Links
1	Timing Chain	90-87	222-380	Silent type; 68 Links
1	Crank Sprocket	90-87	223-297	Double row; 23 Teeth
1	Crank Sprocket	90-87	223-721	Single row; Use w/silent type chain; 23 Teeth
1	Cam Sprocket	90-87	223-402	Double row; 46 Teeth
1	Cam Sprocket	90-87	223-712	Single row; Use w/silent type chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-1501	
1	Camshaft	89-88	CS-829	
1	Camshaft	87	CS-842	
12	Lifter	90-88	HT-2269 Std Only	Hyd. rlr.
12	Lifter	87	HT-2011 Std Only	Hyd.
12	Lifter, Bulk	90-88	HT-2269B Std Only	Hyd. rlr.; Carton of 117
12	Lifter, Bulk	87	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90	KC-1501	Hyd. rlr.; Incl. (1) CS-1501, (12) HT-2269, (1) 55-403B
1	Cam/Lifter Kit	89-88	KC-829	Hyd. rlr.; Incl. (1) CS-829, (12) HT-2269, (1) 55-403B
1	Cam/Lifter Kit	87	KC-842	Hyd.; Incl. (1) CS-842, (12) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	87	KCT-842	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-842, (12) HT-2011, (1) KT3-160S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	90-89	RP-3277	Hole through rod; 6.7400" O.A.L.
12	Push Rod	88	RP-3259	Solid ball; 6.7640" O.A.L.
12	Push Rod	87-86	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
12	Push Rod, Bulk	90-89	BRP-3277	Hole through rod; Carton of 100; 6.7400" O.A.L.
12	Push Rod, Bulk	88	BRP-3259	Solid ball; Carton of 100; 6.7640" O.A.L.
12	Push Rod, Bulk	87-86	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
6	Arm	90-89	R-1001	L.H.
6	Arm	90-89	R-1002	R.H.
6	Arm	88-86	R-861	L.H.
6	Arm	88-86	R-862	R.H.
6	Arm, Bulk	88-86	R-861B	L.H.; Carton of 64
6	Arm, Bulk	88-86	R-862B	R.H.; Carton of 64
2	Rocker Shaft	90-87	RS-698	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	90-89	V-3951 Std Only	Chrome plated stem; 2 groove; 1.5170" Head Dia., .3717" Stem Dia., 4.9940" O.A.L.
6	Exhaust	88-87	V-2154 Std Only	2 groove; Chrome plated stem; 1.5170" Head Dia., .3716" Stem Dia., 4.9940" O.A.L.
6	Intake	90-87	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
6	Intake, Bulk	90-87	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	90-86	VG-5007	Exh.; .3725" ID, 2.3800" O.A.L.
6	Guide	90-86	VG-5062	Exh.; .3735" ID, 2.3800" O.A.L.
6	Guide	90-86	VG-5007T	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
6	Guide, Bulk	90-86	VG-5007B	Exh.; Carton of 50; .3725" ID, 2.3800" O.A.L.
6	Guide, Bulk	90-86	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	90-89	VS-911	Exh.; 1.8800" Free Height
6	Spring	90-89	VS-1457	Int.; 2.2250" Free Height
6	Spring	88-87	VS-795	Exh.; w/Rotators; Use w/Rotators; 1.8100" Free Height
6	Spring	88-87	VS-510	Exh. & Int.; w/o Rotators; 2.0000" Free Height
6	Spring, Bulk	90-89	VS-1457B	Int.; Carton of 250; 2.2250" Free Height
6	Spring, Bulk	88-87	VS-795B	Exh.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height

VALVE TRAIN

VALVE TRAIN

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

19 3.9L 239 OHV V6 (12 Valve), 3.9063" Bore 1990-86
 (cont.) L/D Truck VIN Codes "M" 1986-87, "X" 1988-2003

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	6	Spring, Bulk	88-87	VS-510B	Exh. & Int.; w/o Rotators; Carton of 250; 2.0000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	90	ST-2089	Exh. & Int.; Positive type; Rubber	
	6	Valve Stem Seal	89-86	ST-2048	Int.; Positive type; Viton®	
	6	Valve Stem Seal	89-86	MV-1918	Exh.; Umbrella type; Viton®	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	90-87	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth	
	6	Exh.	90-87	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth	
	6	Int.	90-87	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth	
6	Int.	90-87	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK	
24	Keeper	90-88	VK-216	1 groove		
24	Keeper	90-87	VK-66	2 groove		
24	Keeper	90-87	VK-66R	2 groove; Hardened		
24	Keeper, Bulk	90-88	VK-216B	1 groove; Carton of 1000		
6	Rotocap	90-87	RC-78S			
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
6	Cast Piston	90-87	656P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head		
6	Cast Piston - Individual	90-87	W656P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		BLOCK
1	Premium Set	90-86	E-536K Std-20-30-40-60	2-5/64, 1-3/16		
1	Standard Set	90-86	E-536X Std-30	2-5/64, 1-3/16		
6	Premium Single Cylinder Set	90-86	WE-536K Std-20-30	2-5/64, 1-3/16		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-86	7050MA Std-10-20-30	A-Series aluminum bearings		
1	Main Set	90-86	7420MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD		
1	Rod Set	90-86	6-1460A Std-10-20-30	A-Series aluminum bearings		
6	Rod Pair	90-86	1460A Std-10-20-30	A-Series aluminum bearings		
1	Cam Set	90-86	1790M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	KITS	
1	Oil Pump	90-86	224-4166	High Volume, check pan for clearance		
1	Oil Pump	90-86	224-4166V			
1	Inter. Shaft	90-86	224-6166			
1	Screen Assy.	90-87	224-14239			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1429	Premium valve stem seals incl.		
1	Kit Gasket Set	89-86	260-1428	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-86	381-8061			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6099	205-1099	
			Re-ring w/Mains	205-6099M	205-1099M	
	89-86	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6098	205-1098	
			Re-ring w/Mains	205-6098M	205-1098M	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-6099C	MKP-1099C	
			Master w/o Pistons	MK-6099C	MK-1099C	
	90	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-6099C	505-1099C	
	90	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6233	----	
	90	Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6233	----	
	90	Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-6369	----	
		Master w/o Pistons	MK-6369	----		
90	Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-6369	----		
89-88	Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-6098C	MKP-1098C		
		Master w/o Pistons	MK-6098C	MK-1098C		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

3.9L 239 OHV V6 (12 Valve), 3.9063" Bore 1990-86 19					
L/D Truck VIN Codes "M" 1986-87, "X" 1988-2003 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	89-88	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-6098C	505-1098C
	87	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-6098A MK-6098A	MKP-1098A MK-1098A
K I T S	87	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-6098A	505-1098A
4.1L 251 L-HEAD L6 (Chrysler), 3.4375" Bore 1968-58 20					
L/D Truck VIN Code "6" 1968					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	68-59	222-494	48 Links
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	68-58	V-1004 Std Only	1.5010" Head Dia., .3400" Stem Dia., 4.8450" O.A.L.
	6	Intake	68-58	V-1005 Std Only	1.7180" Head Dia., .3410" Stem Dia., 4.8450" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	68-58	VG-419	Exh.; Use w/V-1004; .3445" ID, 2.8130" O.A.L.
	6	Guide	68-58	VG-420	Int.; .3425" ID, 2.8130" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	6	Spring	68-58	VS-506	Exh.; Use w/Rotocaps; 1.8570" Free Height
	6	Spring	68-58	VS-304	Int.; 2.0000" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	68-58	245-1640-1 Std Only	1.6395" OD, 1.3750" ID, .2480" Depth
	6	Int.	68-58	245-1812-1N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
	6	Int.	68-58	245-1812-1 Std Only	1.8175" OD, 1.5625" ID, .2480" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	68-58	VK-63	2 groove; Round key groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	68-58	32NP Std-20-30-40-60	Use w/E-107X ring set; Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Cast Piston - Individual	68-58	W32NP Std-20-30-40-60	Check piston grooving before supplying ring set; Cast; 2-3/32", 2-5/32" Ring Groove, 1.977" CD, .8591" Pin Dia., Flat Head - 6.9:1 C.R.
	6	Pin Bushing	68-58	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	68-58	8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing	68-58	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	68-58	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	68-58	E-107X Std-30-40-60	Use w/32NP piston; 2-3/32, 2-5/32
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-58	485M Std-10-20-30-40	
	6	Rod Pair	68-58	9560CPA Std-10-20-30-40-50	
	1	Cam Set	68-58	1011M Std Only	
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-58	224-4160	Rotor type
4.3L 260 OHV V8 (Plymouth), 3.5625" Bore 1956-55 21					
L/D Truck 259 Eng.					
B L O C K	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	56-55	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	56-55	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
B L O C K	16	Spring	56-55	VS-510	2.0000" Free Height
	16	Spring, Bulk	56-55	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	56-55	ST-2002	Installation requires valve guide machining; Polyacrylate
B L O C K	16	Valve Stem Seal Bulk	56-55	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	56-55	VK-66	Exh.; 2 groove
	16	Keeper	56-55	VK-66R	Exh.; 2 groove; Hardened
B L O C K	16	Keeper	56-55	VK-174	Int.; 4 groove
	16	Keeper	56-55	VK-174R	Int.; 4 groove; Hardened

Dodge Truck (Incl. Minivans and SUV's)

22 4.5L 273 OHV V8, 3.625" Bore 1968-64
L/D Truck VIN Code "D" 1966-68

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	68-65	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
	1	Timing Set w/Gaskets	68-65	CTS-3000	Incl. silent type chain
	1	Timing Chain	68-65	222-361	Silent type; 68 Links
	1	Crank Sprocket	68-65	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
V A L V E T R A I N	1	Cam Sprocket	68-65	223-358	Use w/silent type chain; 46 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	68-65	AT-2084 Std Only	Dumbbell shaped mech.
	16	Lifter, Bulk	68-65	AT-2084B Std Only	Dumbbell shaped mech.; Carton of 117
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	16	Push Rod	68-65	RP-3219R100	Ball & socket type ends; Chrome-Moly; 7.3900" O.A.L.
	16	Push Rod	68-65	RP-3107	7.6580" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	68-67	R-861	L.H.
	8	Arm	68-67	R-862	R.H.
V A L V E T R A I N	8	Arm, Bulk	68-67	R-861B	L.H.; Carton of 64
	8	Arm, Bulk	68-67	R-862B	R.H.; Carton of 64
	2	Rocker Shaft	68-67	RS-626	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	8	Exhaust	68-65	V-2029 Std-5-15	4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust, Bulk	68-65	V-2029B15 15	4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Intake	68-65	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
	8	Intake, Bulk	68-65	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	8	Guide	68-65	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	68-65	VS-510	2.0000" Free Height
	16	Spring, Bulk	68-65	VS-510B	Carton of 250; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	16	Valve Stem Seal	68-65	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	68-65	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	68-65	MV-1771C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	68-65	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	68-65	MV-1771	Umbrella type; Carton of 100; Polyacrylate
V A L V E T R A I N	16	Valve Stem Seal Bulk	68-65	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	68-65	245-1625-2N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2480" Depth
	8	Exh.	68-65	245-1625-2 Std Only	1.6300" OD, 1.3750" ID, .2480" Depth
	8	Int.	68-65	245-1812-1N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
V A L V E T R A I N	8	Int.	68-65	245-1812-1 Std Only	1.8175" OD, 1.5625" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	68-65	VK-174	Exh.; 4 groove
	16	Keeper	68-65	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	68-65	VK-66	Int.; 2 groove
V A L V E T R A I N	16	Keeper	68-65	VK-66R	Int.; 2 groove; Hardened
	16	Spring Insert	68-65	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	68-65	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	68-65	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	68-65	259-103A	.060"; ID 1.030"; Carton of 100
V A L V E T R A I N	16	Spring Insert	68-65	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	66-65	322NP30 30-40-60	w/2 Bbl. Carb.; w/Mech. lifters; Cast; 2-5/64", 1-3/16" Ring Groove, 1.768" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 8.8:1 C.R.
	8	Cast Piston - Individual	66-65	W322NP30 30-40-60	w/2 Bbl. Carb.; w/Mech. lifters; Cast; 2-5/64", 1-3/16" Ring Groove, 1.768" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs - 8.8:1 C.R.
	8	Pin Bushing	66-65	2134Y	
B L O C K	8	Pin Bushing	66-65	2134Y20	w/.020" extra bore stock

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

4.5L 273 OHV V8, 3.625" Bore 1968-64 **22**
L/D Truck VIN Code "D" 1966-68 (cont.)

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	68-65	E-239K Std-30-60	2-5/64, 1-3/16
	1	Standard Set	68-65	E-239X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	68-65	WE-239X Std-30	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	68-65	SL-17M Std Only	3/32" wall, must be cut to correct length & notched
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	66-65	4923MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	66-65	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	66-65	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable
BLOCK	1	Rod Set	66-65	8-2130CA60 60	Unplated & resizeable
	8	Rod Pair	66-65	2130CP Std-1-2-10-20-30-40-50	
	1	Cam Set	66-65	1484M Std Only	
	1	Cam Set	66-65	1451M Std Only	.760" length ctr. brg.
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-65	224-4166	
	1	Oil Pump	68-65	224-4166V	High Volume, check pan for clearance
	1	Inter. Shaft	68-65	224-6166	
	1	Screen Assy.	68-65	224-1166	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	68-66	260-1153	Premium valve stem seals incl.
BLOCK	1	Kit Gasket Set	65-64	260-1153	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	68-65	381-8010	
	1	Steel Block Plug Kit	68-65	381-4014	

5.2L 315 OHV V8 (Dodge), 3.625" Bore 1959-55 **23**
L/D Truck

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	59-57	222-160	w/Hyd. lifters; Double rlr.; 68 Links
	1	Timing Chain	58	222-348	w/Mech. lifters; Silent type; 68 Links
	1	Crank Sprocket	59-57	223-297	w/Hyd. lifters; Double row; 23 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	59-55	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
	16	Lifter, Bulk	59-55	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	59-55	VS-510	Int.; Exc. w/double rocker shaft; 2.0000" Free Height
	8	Spring, Bulk	59-55	VS-510B	Int.; Exc. w/double rocker shaft; Carton of 250; 2.0000" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	59-55	ST-2007	Exh.; Positive type; Rubber
	8	Valve Stem Seal	59-55	ST-2002	Int.; Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	59-56	MV-1599C	Int.; Umbrella type; Rubber
	8	Valve Stem Seal Bulk	59-56	MV-1599	Int.; Umbrella type; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	59-55	ST-2007BC	Exh.; Positive type; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	59-55	ST-2002BC	Int.; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	59-55	VK-66	2 groove
	16	Keeper	59-55	VK-66R	2 groove; Hardened
VALVE TRAIN	16	Keeper	59-55	VK-174	4 groove
	16	Keeper	59-55	VK-174R	4 groove; Hardened
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	59-55	E-239K Std-30-60	2-5/64, 1-3/16
	1	Standard Set	59-55	E-239X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	59-55	WE-239X Std-30	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	59-55	SL-17M Std Only	3/32" wall, must be cut to correct length & notched

Dodge Truck (Incl. Minivans and SUV's)

24 5.2L 318 OHV V8, 3.9063" Bore 1990-59

L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" 1983, "Y" 1988-2003, "8" 1968-69

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-380S	Incl. silent type chain; Incl. (1) 222-380, (1) 223-712, (1) 223-721
1	3 Piece Set	90-89	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	88-77	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	88-77	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	3 Piece Set	76-69	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	76-69	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	Timing Set w/Gaskets	90-89	CTS-3002	Incl. double rlr. type chain
1	Timing Set w/Gaskets	88-69	CTS-3000	Incl. silent type chain
1	Timing Chain	90	222-380	Silent type; 68 Links
1	Timing Chain	90-89	222-160	Double rlr.; 68 Links
1	Timing Chain	88-77	222-361	Silent type; 68 Links
1	Timing Chain	76-69	222-160	Double rlr.; 68 Links
1	Timing Chain	76-69	222-361	Silent type; 68 Links
1	Timing Chain	68	222-361	Silent type; 68 Links
1	Timing Chain	68-59	222-160	w/Hyd. lifters; Double rlr.; 68 Links
1	Timing Chain	67	222-361	w/5 bolt valve covers; Silent type; 68 Links
1	Timing Chain	67-59	222-348	w/Mech. lifters; Silent type; 68 Links
1	Crank Sprocket	90	223-721	Single row; Use w/silent type chain; 23 Teeth
1	Crank Sprocket	90-89	223-297	Double row; 23 Teeth
1	Crank Sprocket	88-77	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	76-68	223-297	Double row; 23 Teeth
1	Crank Sprocket	76-68	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	67-65	223-297	Double row; 23 Teeth
1	Crank Sprocket	67-65	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	67-65	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
1	Crank Sprocket	64-59	223-297	Double row; 23 Teeth
1	Crank Sprocket	64-59	223-274	Use w/silent type chain; .750" wide sprocket; 23 Teeth
1	Cam Sprocket	90	223-712	Single row; Use w/silent type chain; 46 Teeth
1	Cam Sprocket	90-89	223-402	Double row; 46 Teeth
1	Cam Sprocket	88-77	223-358	Use w/silent type chain; 46 Teeth
1	Cam Sprocket	76-69	223-402	Double row; 46 Teeth
1	Cam Sprocket	76-69	223-358	Use w/silent type chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-88	CS-1565	Exc. M300 & M350
1	Camshaft	87-76	CS-645	
1	Camshaft	75-69	CS-645	Hyd. rlr.
16	Lifter	90-88	HT-2269 Std Only	
16	Lifter	87-69	HT-2011 Std Only	Hyd.
16	Lifter	68-59	AT-2084 Std Only	
16	Lifter	68-59	HT-879 Std Only	Dumbbell shaped mech.
16	Lifter, Bulk	90-88	HT-2269B Std Only	
16	Lifter, Bulk	87-69	HT-2011B Std Only	To Ser. No. 21800000; Hyd.
16	Lifter, Bulk	68-59	AT-2084B Std Only	
1	Prelube	90-59	55-400	Hyd. rlr.; Carton of 117
				Hyd.; Carton of 117
				Dumbbell shaped mech.; Carton of 117
				4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-88	KC-1565	Hyd. rlr.; Incl. (1) CS-1565, (16) HT-2269, (1) 55-403B
1	Cam/Lifter Kit	87-76	KC-645	
1	Cam/Lifter Kit	75-69	KC-645	Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	87-80	KCT-645A	Exc. M300 & M350; Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	87-80	KCT-645	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-76	KCT-645A	Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-76	KCT-645	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75-69	KCT-645A	Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75-69	KCT-645	Exc. M300 & M350; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75-69	KCT-645	Exc. M300 & M350; Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B

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Dodge Truck (Incl. Minivans and SUV's)

5.2L 318 OHV V8, 3.9063" Bore 1990-59 **24**

L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" 1983, "Y" 1988-2003, "8" 1968-69 (cont.)

VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90-89	RP-3277	Hole through rod; 6.7400" O.A.L.
	16	Push Rod	88	RP-3259	Solid ball; 6.7640" O.A.L.
	16	Push Rod	87-69	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod	68	RP-3194	From Ser. No. 21800001; .312" dia. ball at both ends; 7.5000" O.A.L.
	16	Push Rod	68	RP-3120	To Ser. No. 21800000; .230" dia. ball tapered end; .312" dia. ball opposite end; 7.6040" O.A.L.
	16	Push Rod	68-59	RP-3030	w/Mech. lifters; Ball & cup type ends; .360" dia. ball at one end; 8.7350" O.A.L.
	16	Push Rod	67-63	RP-3120	.230" dia. ball tapered end; .312" dia. ball opposite end; 7.6040" O.A.L.
	16	Push Rod, Bulk	90-89	BRP-3277	Hole through rod; Carton of 100; 6.7400" O.A.L.
	16	Push Rod, Bulk	88	BRP-3259	Solid ball; Carton of 100; 6.7640" O.A.L.
	16	Push Rod, Bulk	87-69	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	16	Push Rod, Bulk	68	BRP-3194	From Ser. No. 21800001; .312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-89	R-1001	L.H.
	8	Arm	90-89	R-1002	R.H.
	8	Arm	88-68	R-861	L.H.
	8	Arm	88-68	R-862	R.H.
	8	Arm	67-63	R-861	L.H.; w/Hyd. lifters
	8	Arm	67-63	R-862	R.H.; w/Hyd. lifters
	8	Arm, Bulk	88-68	R-861B	L.H.; Carton of 64
	8	Arm, Bulk	88-68	R-862B	R.H.; Carton of 64
	8	Arm, Bulk	67-63	R-861B	L.H.; w/Hyd. lifters; Carton of 64
	8	Arm, Bulk	67-63	R-862B	R.H.; w/Hyd. lifters; Carton of 64
	2	Rocker Shaft	90-68	RS-626	
	2	Rocker Shaft	67-63	RS-626	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-89	V-3951 Std Only	w/Rotators; Chrome plated stem; 2 groove; 1.5170" Head Dia., .3717" Stem Dia., 4.9940" O.A.L.
	8	Exhaust	88-81	V-2141 Std Only	w/o Rotators; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
	8	Exhaust	88-81	V-2154 Std Only	w/Rotators; 2 groove; Chrome plated stem; 1.5170" Head Dia., .3716" Stem Dia., 4.9940" O.A.L.
	8	Exhaust	80	V-2141 Std Only	L/D Engs.; w/o Rotators; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
	8	Exhaust	80	V-2154 Std Only	L/D Engs.; w/Rotators; 2 groove; Chrome plated stem; 1.5170" Head Dia., .3716" Stem Dia., 4.9940" O.A.L.
	8	Exhaust	79	V-2141 Std Only	L/D Engs.; w/o Rotators; Chrome plated stem; 4 groove; 1.5000" Head Dia., .3715" Stem Dia., 4.9820" O.A.L.
	8	Exhaust	79	V-2154 Std Only	L/D Engs.; w/Rotators; 2 groove; Chrome plated stem; 1.5170" Head Dia., .3716" Stem Dia., 4.9940" O.A.L.
	8	Exhaust	79	V-2029 Std-5-15	L/D Engs.; w/Rotators; 4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust	78-69	V-2029 Std-5-15	L/D Engs.; 4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust	68	V-2029 Std-5-15	4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust	67	V-2029 Std-5-15	w/5 bolt valve covers; 4 groove; Chrome plated stem; 1.5000" Head Dia., .3715" Stem Dia., 5.0020" O.A.L.
	8	Exhaust	67	V-1389 Std Only	W/2 bolt valve covers; w/Hyd. lifters; 2 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Exhaust	67	V-1343 Std Only	W/2 bolt valve covers; w/Mech. lifters; 4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Exhaust	66-59	V-1389 Std Only	W/Hyd. lifters; 2 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Exhaust	66-59	V-1343 Std Only	W/Mech. lifters; 4 groove; 1.5630" Head Dia., .3715" Stem Dia., 4.5390" O.A.L.
	8	Exhaust, Bulk	79	V-2029B15 15	L/D Engs.; w/Rotators; 4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Exhaust, Bulk	78-69	V-2029B15 15	L/D Engs.; 4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Exhaust, Bulk	68	V-2029B15 15	4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Exhaust, Bulk	67	V-2029B15 15	w/5 bolt valve covers; 4 groove; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3914" Stem Dia., 5.0020" O.A.L.
	8	Intake	90-86	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.

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Dodge Truck (Incl. Minivans and SUV's)

24 5.2L 318 OHV V8, 3.9063" Bore 1990-59
(cont.) L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" 1983, "Y" 1988-2003, "8" 1968-69

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Intake	85-84	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	83	V-1722 Std-5-15	VIN Code "U"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	83	V-1908 Std-15	VIN Code "U"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	82	V-1722 Std-5-15	VIN Code "R"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	82	V-1908 Std-15	VIN Code "R"; 2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	81	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	80-77	V-1722 Std-5-15	VIN Code "P"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	76-71	V-1722 Std-5-15	VIN Code "E"; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	70	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	69	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	68	V-1722 Std-5-15	2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	67	V-1344 Std Only	w/2 bolt valve covers; 2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
8	Intake	67	V-1722 Std-5-15	w/5 bolt valve covers; 2 groove; 1.7800" Head Dia., .3725" Stem Dia., 4.9790" O.A.L.
8	Intake	66-59	V-1344 Std Only	2 groove; 1.8440" Head Dia., .3725" Stem Dia., 4.6000" O.A.L.
8	Intake, Bulk	90-86	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	85-84	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	83	V-1722B15 15	VIN Code "U"; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	83	V-1908B15 15	VIN Code "U"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	82	V-1722B15 15	VIN Code "R"; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	82	V-1908B15 15	VIN Code "R"; 2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	81	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	80-77	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	76-71	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	70	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	69	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	68	V-1722B15 15	2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
8	Intake, Bulk	67	V-1722B15 15	w/5 bolt valve covers; 2 groove; Carton of 25; 1.7800" Head Dia., .3875" Stem Dia., 4.9790" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	83-59	VG-5003	Int.; .3740" ID, 3.0600" O.A.L.
8	Guide, Bulk	83-59	VG-5003B	Int.; Carton of 50; .3740" ID, 3.0600" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-89	VS-911	Exh.; w/Rotators; 1.8800" Free Height
8	Spring	90-89	VS-1457	Int.; 2.2250" Free Height
8	Spring	88-78	VS-795	Exh.; w/Rotators; Use w/Rotators; 1.8100" Free Height
8	Spring	88-78	VS-510	Int.; 2.0000" Free Height
16	Spring	77-72	VS-510	Exh. & Int.; w/o Rotators; w/o Damper; 2.0000" Free Height
16	Spring	77-72	VS-795	Exh. & Int.; w/Rotators; Use w/Rotators; 1.8100" Free Height
8	Spring	71-60	VS-680	Exh.; w/Hyd. lifters; 1.8800" Free Height
8	Spring	71-60	VS-510	Exh. & Int.; w/Mech. lifters; 2.0000" Free Height
8	Spring, Bulk	90-89	VS-1457B	Int.; Carton of 250; 2.2250" Free Height
8	Spring, Bulk	88-78	VS-795B	Exh.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height
8	Spring, Bulk	88-78	VS-510B	Int.; Carton of 250; 2.0000" Free Height

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Dodge Truck (Incl. Minivans and SUV's)

5.2L 318 OHV V8, 3.9063" Bore 1990-59 **24**

L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" (cont.) 1983, "Y" 1988-2003, "8" 1968-69

QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
16	Spring, Bulk	77-72	VS-510B	Exh. & Int.; w/o Rotators; w/o Damper; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	77-72	VS-795B	Exh. & Int.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height
8	Spring, Bulk	71-60	VS-680B	Exh.; w/Hyd. lifters; Carton of 300; 1.8800" Free Height
8	Spring, Bulk	71-60	VS-510B	Exh. & Int.; w/Mech. lifters; Carton of 250; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90	ST-2089	Exh. & Int.; O.E. design; Positive type; Rubber
16	Valve Stem Seal	90-72	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	89-72	ST-2048	Int.; O.E. design; Positive type; Viton®
16	Valve Stem Seal	71-59	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	89-78	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	77-74	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	77-74	MV-1771C	Int.; Umbrella type; Polyacrylate
8	Valve Stem Seal	73-72	MV-1771C	Exh.; Umbrella type; Polyacrylate
8	Valve Stem Seal	73-72	MV-1918	Exh.; Umbrella type; Viton®
8	Valve Stem Seal	71	MV-1771C	Exh.; Umbrella type; Polyacrylate
8	Valve Stem Seal	70-61	MV-1918	Exh.; Umbrella type; Viton®
16	Valve Stem Seal Bulk	90-72	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	77-74	MV-1771	Int.; Umbrella type; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	73-72	MV-1771	Exh.; Umbrella type; Carton of 100; Polyacrylate
8	Valve Stem Seal Bulk	71	MV-1771	Exh.; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	71-59	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Int.	90-71	245-1812-2 Std Only	Use w/V-1722; 1.8175" OD, 1.5000" ID, .2160" Depth
8	Exh.	90-68	245-1625-2N Std Only	Use w/V-2029, V-2154, V-3951 & V-2141; Premium Material; 1.6300" OD, 1.3750" ID, .2480" Depth
8	Exh.	90-68	245-1625-2 Std Only	Use w/V-2029, V-2154, V-3951 & V-2141; 1.6300" OD, 1.3750" ID, .2480" Depth
8	Int.	85-71	245-2000-1 Std Only	Use w/V-1908; 2.0055" OD, 1.7500" ID, .2160" Depth
8	Int.	70-68	245-1812-2 Std Only	Use w/V-1722; 1.8175" OD, 1.5000" ID, .2160" Depth
8	Exh.	68-59	245-1937-1 Std Only	Use w/V-1389; 1.9425" OD, 1.6875" ID, .2480" Depth
8	Int.	68-59	245-1687-2N Std Only	Use w/V-1344; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	68-59	245-1687-2 Std Only	Use w/V-1344; 1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-59	VK-138	w/.371" stem dia.; 1 groove; Square cut key groove
32	Keeper	90-59	VK-138R	w/.371" stem dia.; 1 groove; Square cut key groove; Hardened
32	Keeper	90-59	VK-66	2 groove
32	Keeper	90-59	VK-66R	2 groove; Hardened
32	Keeper	90-59	VK-174	4 groove
32	Keeper	90-59	VK-174R	4 groove; Hardened
32	Keeper, Bulk	90-59	VK-138B	w/.371" stem dia.; 1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	90-59	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	90-59	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	90-59	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	90-59	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	90-59	259-103ARS	.060"; ID 1.030"; Carton of 500
8	Rotocap	90-60	RC-78S	Exh.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-85	526P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.
8	Cast Piston	84-69	285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston	84-69	285NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.

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Dodge Truck (Incl. Minivans and SUV's)

24 5.2L 318 OHV V8, 3.9063" Bore 1990-59

(cont.) L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" 1983, "Y" 1988-2003, "8" 1968-69

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston	67	1061P30 30-40-60	w/2 bolt valve covers; Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod	
	8	Cast Piston	67	1061NP30 * 30-40-60	w/2 bolt valve covers; Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9844" Pin Dia., Recessed Head .090" deep w/2 valve reliefs	
	8	Cast Piston	66-59	1061P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod	
	8	Cast Piston	66-59	1061NP30 * 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9844" Pin Dia., Recessed Head .090" deep w/2 valve reliefs	
	8	Cast Piston - Individual	90-85	W526P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.	
	8	Cast Piston - Individual	84-69	W285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	84-69	W285NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-pin rod - 8.5:1 C.R.	
	8	Cast Piston - Individual	67	W1061P30 30-40-60	w/2 bolt valve covers; Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod	
	8	Cast Piston - Individual	66-59	W1061P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.790" CD, .9842" Pin Dia., Recessed Head .090" deep x 3.000" dia. - 7.1:1 C.R.; Designed for full-float or press-in rod	
	1	Cast Piston Set w/Prem. Rings	90-85	8K526P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	84-69	8K285NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.; DurOshield® skirt coated piston	
	1	Cast Piston Set w/Prem. Rings	84-69	8K285NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	90-85	8X526P20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.745" CD, .9842" Pin Dia., Flat Head - 9.0:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	84-69	8X285NP20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs; Designed for full-float or press-in-rod pin - 8.5:1 C.R.	
	8	Powerforged	72-69	L-2329F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.759" CD, .9842" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	72-69	WL-2329F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.759" CD, .9842" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.	
	8	Pin Bushing	80-59	2134Y		
	8	Pin Bushing	80-59	2134Y20	w/.020" extra bore stock	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	90-59	E-178K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	90-59	E-178X Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	90-59	WE-178K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	90-59	WE-178X Std-20-30-40-60	2-5/64, 1-3/16	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Main Set	90-88	7381MA10X20 10X20	A-Series aluminum bearings; Use in .020" O/S Bore	
	1	Main Set	90-88	5095MA Std-10-20-30	A-Series aluminum bearings; 3.530" max. flange OD; Pos. 1 bearing full grooved	
	1	Main Set	87-59	5024MA Std-1-10-20-30	A-Series aluminum bearings; 3.530" max. flange OD; Pos. 1 upper brg. grooved	
	1	Rod Set	90-59	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore	
	1	Rod Set	90-59	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable	
	1	Rod Set	90-59	8-2130CA60 60	Unplated & resizeable	
	8	Rod Pair	90-59	2130CP Std-1-2-10-20-30-40-50		
	1	Cam Set	90-80	1484M Std Only		
	1	Cam Set	79-59	1451M Std Only	.760" length ctr. brg.	
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Oil Pump	90-62	224-4166		
	1	Oil Pump	90-62	224-4166V	High Volume, check pan for clearance	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

5.2L 318 OHV V8, 3.9063" Bore 1990-59 **24**

L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" (cont.) 1983, "Y" 1988-2003, "8" 1968-69

BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Inter. Shaft	90-62	224-6166			
	1	Screen Assy.	90-89	224-14239	Dakota		
	1	Screen Assy.	90-89	224-1266	Exc. Dakota		
	1	Screen Assy.	88-77	224-1266			
	1	Screen Assy.	76-74	224-1266			
	1	Screen Assy.	70	224-1166	A100; To Ser. No. 20980000		
	1	Screen Assy.	69-64	224-1166	A100		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90	260-1430	Premium valve stem seals incl.		
1	Kit Gasket Set	89-82	260-1152	Premium valve stem seals incl.			
1	Kit Gasket Set	81	260-1154	VIN Code "P"; Premium valve stem seals incl.			
1	Kit Gasket Set	81	260-1121	VIN Code "R"; Premium valve stem seals incl.			
1	Kit Gasket Set	81-76	260-1152	H/D Engs.; Premium valve stem seals incl.			
1	Kit Gasket Set	80-78	260-1121	VIN Code "P"; Premium valve stem seals incl.			
1	Kit Gasket Set	80-70	260-1154	VIN Code "E"; Premium valve stem seals incl.			
1	Kit Gasket Set	69-68	260-1154	VIN Codes "8" & "E"; Premium valve stem seals incl.			
1	Kit Gasket Set	67	260-1571	W/2 bolt valve covers; Canadian Built Engs.; Premium valve stem seals incl.			
1	Kit Gasket Set	67	260-1154	W/5 bolt valve covers; Exc. Canadian Built Engs.; Premium valve stem seals incl.			
1	Kit Gasket Set	66-59	260-1571	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	90-59	381-8010				
1	Steel Block Plug Kit	90-59	381-4014				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	90	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 brg. full grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-6100M	205-1100M	
	90	Premium valve stem seals incl.	Re-ring		205-6100	205-1100	
	89-88	Premium valve stem seals incl.	Re-ring		205-718	----	
	89-88	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-718AM	205-218AM	
	89-88	Premium valve stem seals incl.	Re-ring		-----	205-218A	
	87-82	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-718M	205-218M	
	87-82	Premium valve stem seals incl.	Re-ring		205-718	----	
	87-82	Premium valve stem seals incl.	Re-ring		-----	205-218A	
	81	VIN Code "R"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-743M	205-243M	
	81	VIN Code "R"; Premium valve stem seals incl.	Re-ring		205-743	205-243	
	81	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-744AM	205-244AM	
	81	VIN Code "P"; Premium valve stem seals incl.	Re-ring		205-744A	205-244A	
	81-77	H/D Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-718M	205-218M	
	81-77	H/D Engs.; Premium valve stem seals incl.	Re-ring		205-718	----	
	81-77	H/D Engs.; Premium valve stem seals incl.	Re-ring		-----	205-218A	
	80-78	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-743M	205-243M	
	80-78	VIN Code "P"; Premium valve stem seals incl.	Re-ring		205-743	205-243	
	80-70	VIN Code "E"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains		205-744AM	205-244AM	
	80-70	VIN Code "E"; Premium valve stem seals incl.	Re-ring		205-744A	205-244A	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

24 5.2L 318 OHV V8, 3.9063" Bore 1990-59

(cont.) L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" 1983, "Y" 1988-2003, "8" 1968-69

	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION			
K I T S	76	H/D Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-718M	205-218M
	76	H/D Engs.; Premium valve stem seals incl.	Re-ring	205-718	----
	76	H/D Engs.; Premium valve stem seals incl.	Re-ring	----	205-218A
	69-68	VIN Codes "8" & "E"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-744AM	205-244AM
	69-68	VIN Codes "8" & "E"; Premium valve stem seals incl.	Re-ring	205-744A	205-244A
	67	w/5 bolt valve covers; Exc. Canadian built Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	205-744AM	----
	67	W/5 bolt valve covers; Exc. Canadian built Engs.; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.	Re-ring w/Mains	----	205-244AM
	67	W/5 bolt valve covers; Exc. Canadian built Engs.; Premium valve stem seals incl.	Re-ring	205-744A	205-244A
	OVERHAUL KIT		PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION			
	90	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Cam/lifter kit not incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-6100A	MK-1100A
	90	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6237	----
	90	Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; 3.530" max. flange OD; Pos. 1 bearing full grooved	Block	BK-6237	----
	90	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-6377 MK-6377	MKP-1377 MK-1377
	90	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-6377	505-1377
	90	Incl. A-Series aluminum bearings ; w/3.530" max. flange OD; Pos. 1 bearing full grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-7062	----
	90	Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-7062	----
	90	Premium valve stem seals incl.; Incl. silent type chain; Incl. A-Series aluminum bearings ; 3.530" max. flange OD; Pos. 1 bearing full grooved	Master	MKP-7062	----
	89-88	Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718H	505-218H
	89-88	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 bearing full grooved; Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-718H MK-718H	MKP-218H MK-218H
	87-85	Cam/lifter kit not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718H	505-218H
	87-85	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718L	505-218L
	87-82	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Pistons	MK-718A	MK-218A
	84-82	Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master	MKP-718A	MKP-218A
	84-82	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-718A	----

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Dodge Truck (Incl. Minivans and SUV's)

5.2L 318 OHV V8, 3.9063" Bore 1990-59 **24**

L/D Truck VIN Codes "E" 1966-80, "G" 1971 & 1974-75, "P" 1978-82, "R" 1981-82, "T" 1983-87, "U" (cont.) 1983, "Y" 1988-2003, "8" 1968-69

K I T S	OVERHAUL KIT (cont.)					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	84-82	Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		-----	505-218A
	84-82	Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-718C	-----
	84-82	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		-----	505-218D
	81	VIN Code "R"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper bearing grooved; Premium valve stem seals incl.; Incl. silent type chain	Master		MKP-743A	-----
	81	VIN Code "R"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		MK-743A	MK-243A
	81	VIN Code "R"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-743A	505-243A
	81	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons		MKP-744C MK-744C	MKP-244C MK-244C
	81	VIN Code "P"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-744C	505-244C
	81-80	H/D Eng.s; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons		MKP-718A MK-718A	MKP-218A MK-218A
	81-80	H/D Eng.s; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		505-718A	-----
	81-80	H/D Eng.s; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		-----	505-218A
	81-80	H/D Eng.s; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-718C	-----
	81-80	H/D Eng.s; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains		-----	505-218D
	80	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper bearing grooved; Premium valve stem seals incl.; Incl. silent type chain	Master		MKP-743A	-----
	80	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		MK-743A	MK-243A
	80	VIN Code "P"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-743A	505-243A
	80	VIN Code "E"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; Pos. 1 upper brg. grooved; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons		MKP-744C MK-744C	MKP-244C MK-244C
	80	VIN Code "E"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-744C	505-244C
	79-78	VIN Code "P"; Incl. A-Series aluminum bearings ; w/3.530" max. brg. flange OD; .760" length ctr. brg.; Pos. 1 upper bearing grooved; Premium valve stem seals incl.; Incl. silent type chain	Master		-----	MKP-243A

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5.4L 331 OHV V8 (Chrysler), 3.8125" Bore 1956-54 **25**
L/D Truck

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	56	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter	55-54	HT-812 Std Only	Hyd.; 1.830" - 1.860" Length
16	Lifter, Bulk	56	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
16	Lifter, Bulk	55-54	HT-812B Std Only	Hyd.; Carton of 117; 1.830" - 1.860" Length
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	56-54	MV-1771C	Umbrella type; Polyacrylate

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

25 5.4L 331 OHV V8 (Chrysler), 3.8125" Bore 1956-54 (cont.) L/D Truck					
	QTY	VALVE SEAL (cont.) Valve Stem Seal Bulk	YEARS 56-54	PART NO. MV-1771	DESCRIPTION Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	56	VK-66	Exh.; 2 groove
	16	Keeper	56	VK-66R	Exh.; 2 groove; Hardened
	16	Keeper	56	VK-174	Int.; 4 groove
	16	Keeper	56	VK-174R	Int.; 4 groove; Hardened
	32	Keeper	55-54	VK-66	Exh. & Int.; 2 groove
	32	Keeper	55-54	VK-66R	Exh. & Int.; 2 groove; Hardened
	QTY	PISTON Pin Bushing	YEARS 56-54	PART NO. 1804V	DESCRIPTION
	QTY	SLEEVE Repair Sleeve	YEARS 56-54	PART NO. SL-93M Std Only	DESCRIPTION 3/32" wall, must be cut to correct length
26 5.9L 359 OHV Turbo-Diesel L6 (12 Valve), 4.0197" Bore (Cummins Eng.) 1990-88 L/D Truck VIN Codes "C" 1991-96, "D" 1997-99, "8" 1988-91, Eng. Code "6BTA5.9" 1988-99					
VALVE TRAIN	QTY	CAMSHAFT/LIFTER Lifter	YEARS 90-89	PART NO. HT-2302 Std Only	DESCRIPTION
	QTY	PUSH ROD Push Rod	YEARS 90-89	PART NO. RP-3317	DESCRIPTION 11.0220" O.A.L.
	QTY	VALVE Exhaust	YEARS 90-89	PART NO. V-4384 Std Only	DESCRIPTION Chrome plated stem; 1.6540" Head Dia., .3138" Stem Dia., 5.0810" O.A.L.
		Intake	90-89	V-4385 Std Only	Chrome plated stem; 1.7720" Head Dia., .3138" Stem Dia., 5.0840" O.A.L.
	QTY	VALVE GUIDE Guide	YEARS 90-89	PART NO. VG-1331	DESCRIPTION Exh.; .3160" ID, 2.0520" O.A.L.
	12	Guide	90-89	VG-1325	Exh. & Int.; 7/16" OD; .3162" ID, 2.5000" O.A.L.
	6	Guide	90-89	VG-1330	Int.; .3160" ID, 2.3970" O.A.L.
	QTY	VALVE SPRING Spring	YEARS 90-89	PART NO. VS-1553	DESCRIPTION 2.2000" Free Height
	QTY	VALVE SEAT Exh.	YEARS 90-89	PART NO. 245-1750-7 Std Only	DESCRIPTION Universal size for heads w/o O.E. insert; 1.7500" OD, 1.3750" ID, .2188" Depth
	6	Exh.	90-89	245-1722-E1 Std Only	1.7220" OD, 1.3570" ID, .2650" Depth
QTY	VALVE, MISC Keeper	YEARS 90-89	PART NO. VK-286	DESCRIPTION	
BLOCK	QTY	PISTON Cast Piston	YEARS 90-89	PART NO. 2743PN Std-.50-1.00MM	DESCRIPTION VIN Code "8"; Cast; 1-3.00mm, 1-2.36mm, 1-4.00mm Ring Groove, 2.815" CD, 1.5750" Pin Dia., Recessed Head .700" deep x 2.430" dia. - 17.5:1 C.R.; Repl. O.E. No. 3907163
	QTY	RINGS Premium Set	YEARS 90-89	PART NO. E-623KC Std-.50-1.00MM	DESCRIPTION 1-3.00MM, 1-2.36MM, 1-4.00MM (1 cyl. set)
	QTY	ENGINE BEARINGS Main Set	YEARS 90-88	PART NO. 7216M Std-.25-.50MM	DESCRIPTION
	1	Rod Set	90-88	6-4205CP Std-.25-.50-.75MM	
	6	Rod Pair	90-88	4205CP Std-.25-.50-.75-1.00MM	
	1	Cam Brg.	90-89	4206DR Std Only	
QTY	GASKETS Kit Gasket Set	YEARS 90-88	PART NO. 260-1527	DESCRIPTION PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. std. .061" thickness head gskt.	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. std. .061" thickness head gskt.	Re-ring Re-ring w/Mains	205-6187 205-6187M	----- -----
	OVERHAUL KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
90-89	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. std. .061" thickness head gskt.	Block	BK-6246	-----	
QTY	OVERHAUL KIT	YEARS	PART NO.	DESCRIPTION	
	Piston and Ring Kit	90-89	1PK1-2743B	VIN Code "8"	
	Piston and Ring Kit w/Bearing	90-89	1PK2-2743B	VIN Code "8"	

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Dodge Truck (Incl. Minivans and SUV's)

5.9L 359 OHV Turbo-Diesel L6 (12 Valve), 4.0197" Bore (Cummins Eng.) 1990-88 26				
L/D Truck VIN Codes "C" 1991-96, "D" 1997-99, "8" 1988-91, Eng. Code "6BTA5.9" 1988-99 (cont.)				
QTY	OVERHAUL KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	Complete Overhaul Kit	90-89	1KS2-2743B	VIN Code "8"; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. std. .061" thickness head gskt.
5.9L 360 OHV V8, 4" Bore 1990-71 27				
L/D Truck VIN Codes "F" 1971-80, "K" 1975 & 1978-80, "L" 1974-75, "S" 1979-82, "T" 1974-82, "U" 1981-83, "V" 1976-85, "W" 1983-88, "Y" 1971-75, "Z" 1989-2003, "1" 1983-88, "5" 1986-2002				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-380S	Incl. silent type chain; Incl. (1) 222-380, (1) 223-712, (1) 223-721
1	3 Piece Set	90-89	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	88-72	KT3-160S	Incl. double rlr. type chain; Incl. (1) 222-160, (1) 223-297, (1) 223-402
1	3 Piece Set	88-72	KT3-361S	Incl. silent type chain; Incl. (1) 222-361, (1) 223-358, (1) 223-359
1	Timing Set w/Gaskets	88-72	CTS-3000	Incl. silent type chain
1	Timing Chain	90	222-380	Silent type; 68 Links
1	Timing Chain	90-89	222-160	Double rlr.; 68 Links
1	Timing Chain	88-74	222-361	Silent type; 68 Links
1	Timing Chain	73-72	222-361	Silent type; 68 Links
1	Crank Sprocket	90	223-721	Single row; Use w/silent type chain; 23 Teeth
1	Crank Sprocket	90-89	223-297	Double row; 23 Teeth
1	Crank Sprocket	88-77	223-359	Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	76-74	223-359	Std. Eng.; Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Crank Sprocket	73-72	223-359	Std. Eng.; Use w/silent type chain; .405" tooth width sprocket; 23 Teeth
1	Cam Sprocket	90	223-712	Single row; Use w/silent type chain; 46 Teeth
1	Cam Sprocket	90-89	223-402	Double row; 46 Teeth
1	Cam Sprocket	88-77	223-358	Use w/silent type chain; 46 Teeth
1	Cam Sprocket	76-74	223-358	Std. Eng.; Use w/silent type chain; 46 Teeth
1	Cam Sprocket	73-72	223-358	Std. Eng.; Use w/silent type chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-89	CS-1556	Rlr. cam
1	Camshaft	90-89	CS-1557	Rlr. cam
1	Camshaft	88-87	CS-665	w/dual exh. sys.
1	Camshaft	88-87	CS-645	w/single exh. sys.
1	Camshaft	86-81	CS-665	
1	Camshaft	80-78	CS-665	Exc. H/D Eng.
1	Camshaft	80-78	CS-644	H/D Eng.
1	Camshaft	77-72	CS-665	
16	Lifter	90-89	HT-2269 Std Only	Hyd. rlr.
16	Lifter	88-72	HT-2011 Std Only	Hyd.
16	Lifter, Bulk	90-89	HT-2269B Std Only	Hyd. rlr.; Carton of 117
16	Lifter, Bulk	88-72	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	90-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-89	KC-1556	Hyd. rlr.; Incl. (1) CS-1556, (16) HT-2269, (1) 55-403B
1	Cam/Lifter Kit	88-87	KC-665	w/dual exh. sys.; Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	88-87	KC-645	w/single exh. sys.; Hyd.; Incl. (1) CS-645, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	86-81	KC-665	Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	80-78	KC-665	Exc. H/D Eng.; Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	80-78	KC-644	H/D Eng.; Hyd.; Incl. (1) CS-644, (16) HT-2011, (1) 55-403B
1	Cam/Lifter Kit	77-72	KC-665	Hyd.; Incl. (1) CS-665, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-665	w/dual exh. sys.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-665A	w/dual exh. sys.; Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-645A	w/single exh. sys.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-645	w/single exh. sys.; Hyd.; Incl. silent type chain; Incl. (1) CS-645, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-81	KCT-665	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-81	KCT-665A	Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

27 5.9L 360 OHV V8, 4" Bore 1990-71

(cont.) L/D Truck VIN Codes "F" 1971-80, "K" 1975 & 1978-80, "L" 1974-75, "S" 1979-82, "T" 1974-82, "U" 1981-83, "V" 1976-85, "W" 1983-88, "Y" 1971-75, "Z" 1989-2003, "1" 1983-88, "5" 1986-2002

VALVE TRAIN

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter/Timing Kit	80-78	KCT-665	Exc. H/D Engs.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	80-78	KCT-665A	Exc. H/D Engs.; Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	80-78	KCT-644A	H/D Engs.; Hyd.; Incl. silent type chain; Incl. (1) CS-644, (16) HT-2011, (1) KT3-361S, (1) 55-403B
1	Cam/Lifter/Timing Kit	77-72	KCT-665	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-160S, (1) 55-403B
1	Cam/Lifter/Timing Kit	77-72	KCT-665A	Hyd.; Incl. silent type chain; Incl. (1) CS-665, (16) HT-2011, (1) KT3-361S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-89	RP-3277	Hole through rod; 6.7400" O.A.L.
16	Push Rod	88-72	RP-3194	.312" dia. ball at both ends; 7.5000" O.A.L.
16	Push Rod, Bulk	90-89	BRP-3277	Hole through rod; Carton of 100; 6.7400" O.A.L.
16	Push Rod, Bulk	88-72	BRP-3194	.312" dia. ball at both ends; Carton of 100; 7.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	90-89	R-1001	L.H.
8	Arm	90-89	R-1002	R.H.
8	Arm	88-72	R-861	L.H.
8	Arm	88-72	R-862	R.H.
8	Arm, Bulk	88-72	R-861B	L.H.; Carton of 64
8	Arm, Bulk	88-72	R-862B	R.H.; Carton of 64
2	Rocker Shaft	90-72	RS-626	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90-82	V-2556 Std Only	2 groove; Chrome plated stem; 1.6170" Head Dia., .3716" Stem Dia., 4.9950" O.A.L.
8	Exhaust	88-82	V-2155 Std Only	2 groove; Chrome plated stem; 1.6170" Head Dia., .3716" Stem Dia., 4.9950" O.A.L.
8	Exhaust	81-79	V-2155 Std Only	2 groove; Chrome plated stem; 1.6170" Head Dia., .3716" Stem Dia., 4.9950" O.A.L.
8	Exhaust	81-79	V-2556 Std Only	2 groove; Chrome plated stem; 1.6170" Head Dia., .3716" Stem Dia., 4.9950" O.A.L.
8	Exhaust	81-79	V-3925 Std-15	4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.
8	Exhaust	78	V-2113 Std Only	2 groove; 1.6000" Head Dia., .3715" Stem Dia., 5.0050" O.A.L.
8	Exhaust	78	V-3925 Std-15	4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.
8	Exhaust	77-76	V-2113 Std Only	L/D; 2 groove; 1.6000" Head Dia., .3715" Stem Dia., 5.0050" O.A.L.
8	Exhaust	77-76	V-3925 Std-15	L/D; 4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.
8	Exhaust	75-72	V-2113 Std Only	2 groove; 1.6000" Head Dia., .3715" Stem Dia., 5.0050" O.A.L.
8	Exhaust	75-72	V-3925 Std-15	4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.
8	Exhaust, Bulk	81-79	V-3925B15 15	2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
8	Exhaust, Bulk	78	V-3925B15 15	2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
8	Exhaust, Bulk	77-76	V-3925B15 15	L/D; 2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
8	Exhaust, Bulk	75-72	V-3925B15 15	2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.
8	Intake	90-82	V-1908 Std-15	2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	81-80	V-1908 Std-15	2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake	79-76	V-1908 Std-15	2 groove; 1.8800" Head Dia., .3725" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	90-82	V-1908B15 15	2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	81-80	V-1908B15 15	2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
8	Intake, Bulk	79-76	V-1908B15 15	2 groove; Carton of 25; 1.8800" Head Dia., .3875" Stem Dia., 4.9810" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90-72	VG-5007	Exh. & Int.; .3725" ID, 2.3800" O.A.L.
16	Guide	90-72	VG-5007T	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	90-72	VG-5007B	Exh. & Int.; Carton of 50; .3725" ID, 2.3800" O.A.L.

VALVE TRAIN

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

5.9L 360 OHV V8, 4" Bore 1990-71 **27**

L/D Truck VIN Codes "F" 1971-80, "K" 1975 & 1978-80, "L" 1974-75, "S" 1979-82, "T" 1974-82, "U" (cont.) 1981-83, "V" 1976-85, "W" 1983-88, "Y" 1971-75, "Z" 1989-2003, "1" 1983-88, "5" 1986-2002

QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
16	Guide, Bulk	90-72	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-89	VS-911	Exh.; w/Rotators; 1.8800" Free Height
8	Spring	90-89	VS-1457	Int.; 2.2250" Free Height
16	Spring	88	VS-510	Exh. & Int.; 2.0000" Free Height
8	Spring	87-78	VS-795	Exh.; w/Rotators; Use w/Rotators; 1.8100" Free Height
16	Spring	87-78	VS-510	Exh. & Int.; w/o Rotators; 2.0000" Free Height
8	Spring	77-74	VS-795	Exh.; w/Rotators; Use w/Rotators; 1.8100" Free Height
8	Spring	77-74	VS-510	Int.; 2.0000" Free Height
16	Spring	73-72	VS-510	Exh. & Int.; 2.0000" Free Height
8	Spring, Bulk	90-89	VS-1457B	Int.; Carton of 250; 2.2250" Free Height
16	Spring, Bulk	88	VS-510B	Exh. & Int.; Carton of 250; 2.0000" Free Height
8	Spring, Bulk	87-78	VS-795B	Exh.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height
16	Spring, Bulk	87-78	VS-510B	Exh. & Int.; w/o Rotators; Carton of 250; 2.0000" Free Height
8	Spring, Bulk	77-74	VS-795B	Exh.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height
8	Spring, Bulk	77-74	VS-510B	Int.; Carton of 250; 2.0000" Free Height
16	Spring, Bulk	73-72	VS-510B	Exh. & Int.; Carton of 250; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90	ST-2048	Exh. & Int.; O.E. design; Positive type; Viton®
16	Valve Stem Seal	90-72	ST-2002	Exh. & Int.; Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	89-72	ST-2048	Int.; O.E. design; Positive type; Viton®
8	Valve Stem Seal	89-72	MV-1918	Exh.; Umbrella type; Viton®
16	Valve Stem Seal	76-72	MV-1771C	Exh. & Int.; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	90-72	ST-2002BC	Exh. & Int.; Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	76-72	MV-1771	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-82	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	90-82	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	90-72	245-2000-1 Std Only	Use w/V-1908; 2.0055" OD, 1.7500" ID, .2160" Depth
8	Exh.	81-79	245-1687-2N Std Only	Use w/V-2155 & V-2556; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	81-79	245-1687-2 Std Only	Use w/V-2155 & V-2556; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	81-79	245-1750-2N Std Only	Use w/V-3925; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	81-79	245-1750-2 Std Only	Use w/V-3925; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	78-72	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	78-72	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-72	VK-174	Exh.; 4 groove
16	Keeper	90-72	VK-174R	Exh.; 4 groove; Hardened
16	Keeper	90-72	VK-66	Int.; 2 groove
16	Keeper	90-72	VK-66R	Int.; 2 groove; Hardened
16	Spring Insert	90-72	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	90-72	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	90-72	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	90-72	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	90-72	259-103ARS	.060"; ID 1.030"; Carton of 500
8	Rotocap	90-74	RC-78S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-72	405CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston	90-72	405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
8	Cast Piston - Individual	90-72	W405P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
1	Cast Piston Set w/Prem. Rings	90-72	8K405CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	90-72	8K405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.
1	Cast Piston Set w/Econ. Rings	90-72	8X405P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9842" Pin Dia., Recessed Head .070" deep x 3.140" dia. - 8.0:1 C.R.

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

27 5.9L 360 OHV V8, 4" Bore 1990-71

(cont.) L/D Truck VIN Codes "F" 1971-80, "K" 1975 & 1978-80, "L" 1974-75, "S" 1979-82, "T" 1974-82, "U" 1981-83, "V" 1976-85, "W" 1983-88, "Y" 1971-75, "Z" 1989-2003, "1" 1983-88, "5" 1986-2002

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Powerforged	74-72	L-2386F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.591" CD, .9842" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	74-72	WL-2386F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.591" CD, .9842" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-72	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	90-72	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	90-72	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set	
	1	Standard Set	90-72	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	90-72	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	90-72	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	90-72	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Repair Sleeve	90-72	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	1	Repair Sleeve	90-72	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-74	4999MA Std-1-10-20-30	A-Series aluminum bearings; w/3.910" max. flange OD	
	1	Main Set	73-72	4948MA Std-10-20-30	A-Series aluminum bearings; 3.685" max. flange OD	
	1	Rod Set	90-72	8-2130CP10X2 10X2-20X2	Use in .002" O/S Rod Bore	
	1	Rod Set	90-72	8-2130CP Std-1-10-20-30-40-50	8-2130CA 60 avail. as unplated & resizeable	
	1	Rod Set	90-72	8-2130CA60 60	Unplated & resizeable	
	8	Rod Pair	90-72	2130CP Std-1-2-10-20-30-40-50		
BLOCK	1	Cam Set	90-79	1484M Std Only		BLOCK
	1	Cam Set	78-72	1451M Std Only	.760" length ctr. brg.	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-72	224-4166		
	1	Oil Pump	90-72	224-4166V	High Volume, check pan for clearance	
	1	Inter. Shaft	90-72	224-6166		
	1	Screen Assy.	90-74	224-1266	B150, B250 & B350 Series	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	89	260-1095	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88-82	260-1095	Premium valve stem seals incl.	
BLOCK	1	Kit Gasket Set	81-76	260-1033	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.	BLOCK
	1	Kit Gasket Set	81-76	260-1095	H/D Engs.; Premium valve stem seals incl.	
	1	Kit Gasket Set	75-71	260-1033	Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-71	381-8010		
	1	Steel Block Plug Kit	90-71	381-4014		
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION				
	89	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		PREMIUM KIT NO. 205-683AM ECONOMY KIT NO. 205-183AM	
	89	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-683A 205-183A	
	88-82	Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-683AM 205-183AM	
	88-82	Premium valve stem seals incl.	Re-ring		205-683A 205-183A	
	81-76	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-622AM 205-122AM	
	81-76	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.	Re-ring		205-622A 205-122A	
	81-76	H/D Engs.; Incl. A-Series aluminum bearings; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains		205-683AM 205-183AM	
	81-76	H/D Engs.; Premium valve stem seals incl.	Re-ring		205-683A 205-183A	

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

5.9L 360 OHV V8, 4" Bore 1990-71 27				
L/D Truck VIN Codes "F" 1971-80, "K" 1975 & 1978-80, "L" 1974-75, "S" 1979-82, "T" 1974-82, "U" 1981-83, "V" 1976-85, "W" 1983-88, "Y" 1971-75, "Z" 1989-2003, "1" 1983-88, "5" 1986-2002 (cont.)				
K I T S	RE-RING KIT (cont.)			
	YEARS	DESCRIPTION		PREMIUM KIT NO. ECONOMY KIT NO.
	75-74	Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-622AM 205-122AM
	75-72	Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.	Re-ring	205-622A 205-122A
	73-72	Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Incl. A-Series aluminum bearings ; w/3.685" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-622M 205-122M
	OVERHAUL KIT			
	YEARS	DESCRIPTION		PREMIUM KIT NO. ECONOMY KIT NO.
	88-87	w/dual exh. sys.; Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-683C MK-683C MKP-183C MK-183C
	88-87	w/dual exh. sys.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-683C 505-183C
	86-82	Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-683C MK-683C MKP-183C MK-183C
	86-82	Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-683C 505-183C
	81	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-622C MK-622C MKP-122C MK-122C
	81	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-622C 505-122C
	81-79	H/D Engs.; Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-683C MK-683C MKP-183C MK-183C
	81-79	H/D Engs.; Premium valve stem seals incl.; Incl. double rlr. type chain	Master w/o Rods & Mains	505-683C 505-183C
	80-79	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Incl. A-Series aluminum bearings ; w/3.910" max. brg. flange OD; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-622C MK-622C MKP-122C MK-122C
	80-79	Exc. H/D Engs.; Large port int. manifold gskts. incl.; Small port int. manifold gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-622C 505-122C
5.9L 361 OHV V8, 4.125" Bore 1970-68 28				
L/D Truck VIN Code "8" 1968-70				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	70-68	381-8010	
1	Steel Block Plug Kit	70-68	381-4014	
6.3L 383 OHV V8, 4.25" Bore 1971-63 29				
L/D Truck VIN Codes "J" 1966-71, "8" 1968-70				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	71-67	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367
1	Timing Chain	71-67	222-501	Silent type; 50 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	71-69	CS-327	
16	Lifter	71-69	HT-2011 Std Only	Hyd.
16	Lifter	71-69	HT-976 Std Only	Hyd.
16	Lifter, Bulk	71-69	HT-2011B Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	71-69	HT-976B Std Only	Hyd.; Carton of 117
1	Prelube	71-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	71-69	KC-327	Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

29 6.3L 383 OHV V8, 4.25" Bore 1971-63

(cont.) L/D Truck VIN Codes "J" 1966-71, "8" 1968-70

VALVE TRAIN	QTY	CAM KIT (cont.) Cam/Lifter/Timing Kit	YEARS	PART NO.	DESCRIPTION
	1		71-69	KCT-327	Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	71-69	RP-3191	8.5750" O.A.L.
	16	Push Rod, Bulk	71-69	BRP-3191	Carton of 100; 8.5750" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	71-68	R-829	L.H.
	8	Arm	71-68	R-828	R.H.
	2	Rocker Shaft	71-68	RS-612	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	71-69	V-1900 Std Only	4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.
	8	Intake	71-69	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	71-67	VG-5073	Exh. & Int.; .3745" ID, 2.3750" O.A.L.
	16	Guide	71-67	VG-5088	Exh. & Int.; Bronze; .3735" ID, 2.6250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	71-69	VS-673	2.5800" Free Height
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	71-69	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	71-69	MV-1707C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	71-69	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	71-69	MV-1707	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	71-69	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	8	Exh.	71-69	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	8	Int.	71-69	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	71-69	VK-174	Exh.; 4 groove
	16	Keeper	71-69	VK-174R	Exh.; 4 groove; Hardened
	16	Keeper	71-69	VK-66	Int.; 2 groove
	16	Keeper	71-69	VK-66R	Int.; 2 groove; Hardened
	16	Spring Insert	71-69	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	71-69	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	71-69	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	71-69	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	71-69	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	71-67	366NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.848" CD, 1.0939" Pin Dia., Flat Head - 8.4:1 C.R.
	8	Cast Piston - Individual	71-67	W366NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.848" CD, 1.0939" Pin Dia., Flat Head - 8.4:1 C.R.
	8	Pin	71-69	P-1940 Std-3	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	71-67	E-233K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	71-67	E-233X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	71-67	WE-233K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	71-67	WE-233X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	71-69	SL-24Y Std Only	1/8" wall, must be cut to correct length
	8	Repair Sleeve	71-69	SL-24M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	71-67	4094M Std-10-20-30-40-60	3.453" max. flange OD
	1	Rod Set	71-67	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable
	1	Rod Set	71-67	8-2320CA60 60	Unplated & resizeable
	8	Rod Pair	71-67	2320CP Std-1-10-20-30-40-50	
	1	Cam Set	71-67	1453M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	71-68	224-43366A	Exc. W300; High Pressure; Use original cover plate on Eng's. with canister oil filter
	1	Oil Pump	71-68	224-4174V	Exc. W300; High-Volume; Use original cover plate on Eng's. w/canister oil filter
	1	Oil Pump	71-68	224-4174	Exc. W300; Use original cover plate on Eng's. w/canister oil filter
	1	Oil Pump	67	224-43366A	Exc. W300; High Pressure; Use original cover plate on Eng's. with canister oil filter

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

6.3L 383 OHV V8, 4.25" Bore 1971-63 29						
L/D Truck VIN Codes "J" 1966-71, "8" 1968-70 (cont.)						
BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	67	224-4174V	Exc. W300; High-Volume; Use original cover plate on Engs. w/canister oil filter	
	1	Oil Pump	67	224-4174	Exc. W300; Use original cover plate on Engs. w/canister oil filter	
	1	Pump Repair Kit	71-68	224-5174	Exc. W300	
	1	Pump Repair Kit	67	224-5174	Exc. W300	
	1	Inter. Shaft	71-67	224-6174		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	71-64	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	63	260-1001	w/6 bolt valve covers; Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	63	260-4011		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	71-63	381-8011			
1	Steel Block Plug Kit	71-63	381-4031			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	71-67	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-667	205-167
OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
YEARS	DESCRIPTION					
71-69	Exc. W300; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Use original cover plate on Engs. w/canister oil filter; Incl. silent type chain; w/3.453" max. brg. flange OD	Master Master w/o Pistons		MKP-667E MK-667E	MKP-167E MK-167E	
6.6L 400 OHV V8, 4.342" Bore 1980-71 30						
L/D Truck VIN Code "J" 1971-80						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	80-72	KT3-501S	Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367	
	1	Timing Chain	80-72	222-501	Silent type; 50 Links	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	80-72	CS-327		
	16	Lifter	80-72	HT-976 Std Only	Hyd.	
	16	Lifter, Bulk	80-72	HT-976B Std Only	Hyd.; Carton of 117	
	1	Prelube	80-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	80-72	KC-327	Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-72	KCT-327	Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	78-72	RP-3191	8.5750" O.A.L.	
	16	Push Rod, Bulk	78-72	BRP-3191	Carton of 100; 8.5750" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	79-72	R-829	L.H.	
	8	Arm	79-72	R-828	R.H.	
	2	Rocker Shaft	79-72	RS-612		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	80-72	V-1900 Std Only	w/o Catalytic Converter; 4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.	
	8	Exhaust	78-72	V-3925 Std-15	W/Catalytic converter; 4 groove; Chrome plated stem; 1.6000" Head Dia., .3710" Stem Dia., 5.0050" O.A.L.	
	8	Exhaust, Bulk	78-72	V-3925B15 15	W/Catalytic converter; 2 groove; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3865" Stem Dia., 5.0050" O.A.L.	
	8	Intake	80-72	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
16	Guide	78-72	VG-5088	Exh. & Int.; Bronze; .3735" ID, 2.6250" O.A.L.		
16	Guide	78-71	VG-5073	Exh. & Int.; .3745" ID, 2.3750" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
16	Spring	75-72	VS-673	2.5800" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	78-72	ST-2002	Exh.; Installation requires valve guide machining; Polyacrylate		
8	Valve Stem Seal	78-72	ST-2004	Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE		
8	Valve Stem Seal	78	MV-1918	Exh.; Umbrella type; Viton®		

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

30 6.6L 400 OHV V8, 4.342" Bore 1980-71

(cont.) L/D Truck VIN Code "J" 1971-80

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal	77	MV-1707C	Exh. & Int.; Umbrella type; Polyacrylate	
	8	Valve Stem Seal	76-74	MV-1918	Exh.; Umbrella type; Viton®	
	16	Valve Stem Seal	73-72	MV-1707C	Exh. & Int.; Umbrella type; Polyacrylate	
	8	Valve Stem Seal Bulk	78-72	ST-2002BC	Exh.; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	8	Valve Stem Seal Bulk	78-72	ST-2004BC	Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	16	Valve Stem Seal Bulk	77	MV-1707	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	73-72	MV-1707	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	78-72	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
BLOCK	8	Exh.	78-72	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	BLOCK
	8	Int.	78-72	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	79-72	VK-174	Exh.; 4 groove	
	16	Keeper	79-72	VK-174R	Exh.; 4 groove; Hardened	
	16	Keeper	79-72	VK-66	Int.; 2 groove	
	16	Keeper	79-72	VK-66R	Int.; 2 groove; Hardened	
	8	Rotocap	79-72	RC-78S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	78-72	406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
KITS	8	Cast Piston - Individual	78-72	W406AP Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.813" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	KITS
	8	Pin	78-72	P-1940 Std-3		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	78-72	E-318K Std-30	2-5/64, 1-3/16	
	1	Standard Set	78-72	E-318X Std-30	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	78-72	WE-318K30 30	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	78-72	WE-318X Std Only	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	78-72	4094M Std-10-20-30-40-60	3.453" max. flange OD	
	1	Rod Set	78-72	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
KITS	1	Rod Set	78-72	8-2320CA60 60	Unplated & resizeable	KITS
	8	Rod Pair	78-72	2320CP Std-1-10-20-30-40-50		
	1	Cam Set	78-72	1453M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	79-72	224-43366A	Exc. W300; High Pressure; Use original cover plate on Eng. with canister oil filter	
	1	Oil Pump	79-72	224-4174V	Exc. W300; High-Volume; Use original cover plate on Eng. w/canister oil filter	
	1	Pump Repair Kit	79-72	224-5174	Exc. W300	
	1	Inter. Shaft	79-72	224-6174		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	80-74	260-1043	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
KITS	1	Kit Gasket Set	73-71	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.	KITS
	1	Valley Pan Gasket Set	80-71	260-4011		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	78-71	381-8011		
	1	Steel Block Plug Kit	78-71	381-4031		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	78-74	Int. manifold gskt. not incl.; Premium valve stem seals incl.		Re-ring	205-655	205-155
	73-72	Int. manifold gskt. not incl.; Premium valve stem seals incl.		Re-ring	205-642	205-142

31 7.2L 440 OHV V8, 4.32" Bore 1980-72

L/D Truck VIN Codes "A" 1972-80 (440-3), "D" 1972-80

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	80-77	KT3-501S	B100, B200, B300, CB300, D100, D150, D200, D300, PB200, PB300, W100, W200 & W300 Series; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367
1	3 Piece Set	76-74	KT3-501S	B100, B200, B300, CB300, D100, D200, D300, PB200, PB300, W100, W200 & W300 Series; Incl. silent type chain; 223-366 & 223-367 not sold separately; Incl. (1) 222-501, (1) 223-366, (1) 223-367

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

7.2L 440 OHV V8, 4.32" Bore 1980-72 **31**

L/D Truck VIN Codes "A" 1972-80 (440-3), "D" 1972-80 (cont.)

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	80-77	222-501	B100, B200, B300, CB300, D100, D150, D200, D300, PB200, PB300, W100, W200 & W300 Series; Silent type; 50 Links
1	Timing Chain	76-75	222-501	B100, B200, B300, CB300, D100, D200, D300, PB200, PB300, W100, W200 & W300 Series; Silent type; 50 Links
1	Timing Chain	74	222-501	B100, D100, D200, D300, M300, M350, W100 & W300 Series; Silent type; 50 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	79-74	CS-327	Hyd.
16	Lifter	80-74	HT-976 Std Only	Hyd.
16	Lifter, Bulk	80-74	HT-976B Std Only	Hyd.; Carton of 117
1	Prelube	79-74	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	79-74	KC-327	Hyd.; Incl. (1) CS-327, (16) HT-976, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-77	KCT-327	B100, B200, B300, CB300, D100, D150, D200, D300, PB200, PB300, W100, W200 & W300 Series; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-74	KCT-327	B100, B200, B300, CB300, D100, D200, D300, PB200, PB300, W100, W200 & W300 Series; Hyd.; Incl. silent type chain; Incl. (1) CS-327, (16) HT-976, (1) KT3-501S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	78-74	RP-3221R	w/o oil hole; Chrome-Moly; 9.2950" O.A.L.
16	Push Rod	78-74	RP-3193	9.3150" O.A.L.
16	Push Rod	74	RP-3191	8.5750" O.A.L.
16	Push Rod, Bulk	78-74	BRP-3193	Carton of 100; 9.3150" O.A.L.
16	Push Rod, Bulk	74	BRP-3191	Carton of 100; 8.5750" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	80-74	R-829	L.H.
8	Arm	80-74	R-828	R.H.
2	Rocker Shaft	80-74	RS-612	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	80-74	V-1900 Std Only	4 groove; Chrome plated stem; 1.7400" Head Dia., .3717" Stem Dia., 4.8840" O.A.L.
8	Intake	80-74	V-1386 Std Only	2.0800" Head Dia., .3725" Stem Dia., 4.8685" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	78-74	VG-5073	Exh. & Int.; .3745" ID, 2.3750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	80-77	VS-778	Exh.; w/damper; 2.3600" Free Height
8	Spring	80-74	VS-673	Int.; 2.5800" Free Height
8	Spring	76-74	VS-795	Exh.; w/Rotators; Use w/Rotators; 1.8100" Free Height
8	Spring, Bulk	76-74	VS-795B	Exh.; w/Rotators; Use w/Rotators; Carton of 300; 1.8100" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	80-74	ST-2002	Exc. Engs. w/double valve springs; Installation requires valve guide machining; Polyacrylate
8	Valve Stem Seal	76-74	ST-2048	Int.; Positive type; Viton®
16	Valve Stem Seal	76-74	MV-1707C	Exh. & Int.; Umbrella type; Polyacrylate
8	Valve Stem Seal Bulk	80-74	ST-2002BC	Exc. Engs. w/double valve springs; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	76-74	MV-1707	Exh. & Int.; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	80-74	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
8	Exh.	80-74	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
8	Int.	80-74	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	80-74	VK-66	2 groove
16	Keeper	80-74	VK-66R	2 groove; Hardened
16	Keeper	80-74	VK-174	4 groove
16	Keeper	80-74	VK-174R	4 groove; Hardened
8	Rotocap	80-74	RC-78S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	78-74	424NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.
8	Cast Piston	78-74	424P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.

(continued on next page)

Dodge Truck (Incl. Minivans and SUV's)

31 7.2L 440 OHV V8, 4.32" Bore 1980-72 (cont.) L/D Truck VIN Codes "A" 1972-80 (440-3), "D" 1972-80						
B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston - Individual	78-74	W424NP * Std-30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
	8	Cast Piston - Individual	78-74	W424P Std-30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.912" CD, 1.0939" Pin Dia., Flat Head - 8.0:1 C.R.	
	8	Pin	78-74	P-1940 Std-3		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	78-72	E-424K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	78-72	E-424X Std-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	78-72	WE-424K Std-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	78-72	WE-424X Std-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	78-74	5025MA Std-10-20-30	A-Series aluminum bearings ; Partial grooved; 3.930" max. flange OD	
	1	Main Set	74	4924MA Std-10-20-30	A-Series aluminum bearings ; Partial grooved; 3.624" max. flange OD	
	1	Rod Set	78-74	8-2320CP Std-10-20-30-40-50	8-2320CA 60 avail. as unplated & resizeable	
	1	Rod Set	78-74	8-2320CA60 60	Unplated & resizeable	
	8	Rod Pair	78-74	2320CP Std-1-10-20-30-40-50		
	1	Cam Set	78-74	1453M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	79-74	224-43366A	Exc. W300; High Pressure; Use original cover plate on Engs. with canister oil filter	
	1	Oil Pump	79-74	224-4174V	Exc. W300; High-Volume; Use original cover plate on Engs. w/canister oil filter	
	1	Pump Repair Kit	79-74	224-5174	Exc. W300	
	1	Inter. Shaft	79-74	224-6174		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	78-74	260-1043	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	73-72	260-1001	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	78-72	260-4019		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	78-73	381-8011		
	1	Steel Block Plug Kit	78-73	381-4031		
K I T S	RE-RING KIT					K I T S
	YEARS	DESCRIPTION				
	78-74	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. partial grooved brgs.; w/3.930" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	PREMIUM KIT NO. 205-656M	ECONOMY KIT NO. 205-156M	
	78-74	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	205-656	205-156	

Eagle - See Chrysler Corp. Car Fiat

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.1L 1116cc SOHC L4 80mm Bore (8 Valve).....	1973-71	 1	1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve).....	1983-79	 6
1.2L 1197cc OHV L4 73mm Bore (8 Valve).....	1967-66	 2	1.6L 1592cc DOHC L4 80mm Bore (8 Valve).....	1974-73	 7
1.3L 1290cc SOHC L4 86mm Bore (8 Valve).....	1979-73	 3	1.6L 1608cc DOHC L4 80mm Bore (8 Valve).....	1973-71	 8
1.4L 1438cc OHV L4 80mm Bore (8 Valve).....	1971-68	 4	1.8L 1756cc DOHC L4 84mm Bore (8 Valve).....	1978-74	 9
1.5L 1481cc OHV L4 77mm Bore (8 Valve).....	1967-64	 5	2.0L 1995cc DOHC L4 84mm Bore (8 Valve).....	1985-79	 10

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
124A	1.2L 1197cc OHV L4 73mm Bore (8 Valve)	2	132A1	1.8L 1756cc DOHC L4 84mm Bore (8 Valve)	9
124B2	1.4L 1438cc OHV L4 80mm Bore (8 Valve)	4	132B	2.0L 1995cc DOHC L4 84mm Bore (8 Valve)	10
125BC	1.6L 1608cc DOHC L4 80mm Bore (8 Valve)	8	132C	2.0L 1995cc DOHC L4 84mm Bore (8 Valve)	10
128A	1.1L 1116cc SOHC L4 80mm Bore (8 Valve)	1	132C2	2.0L 1995cc DOHC L4 84mm Bore (8 Valve)	10
128AS	1.3L 1290cc SOHC L4 86mm Bore (8 Valve)	3	132C3	2.0L 1995cc DOHC L4 84mm Bore (8 Valve)	10
128A1	1.3L 1290cc SOHC L4 86mm Bore (8 Valve)	3	138AS	1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve)	6
132A	1.6L 1592cc DOHC L4 80mm Bore (8 Valve)	7	138A2	1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve)	6
132A	1.8L 1756cc DOHC L4 84mm Bore (8 Valve)	9	138BS	1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve)	6
132AC	1.6L 1592cc DOHC L4 80mm Bore (8 Valve)	7	138B2	1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve)	6
132AC	1.8L 1756cc DOHC L4 84mm Bore (8 Valve)	9			

1.1L 1116cc SOHC L4 (8 Valve), 80mm Bore 1973-71 1
Eng. Code "128A" 1971-73

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	73-71	4659M10 10-20-30	
1	Thrust Washer Set	73-71	60987AF Std Only	Position 3
1	Rod Set	73-71	4-60985RA10 10-20	

1.2L 1197cc OHV L4 (8 Valve), 73mm Bore 1967-66 2
Eng. Code "124B" 1966-69

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	67-66	4659M10 10-20-30	
1	Thrust Washer Set	67-66	60987AF Std Only	Position 3
1	Rod Set	67-66	4-60985RA10 10-20	

1.3L 1290cc SOHC L4 (8 Valve), 86mm Bore 1979-73 3
Eng. Codes "128A1" 1972-79, "128AS" 1974-79

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	79-74	ST-2039	Positive type; Rubber
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-73	4659M10 10-20-30	
1	Thrust Washer Set	79-73	60987AF Std Only	Position 3
1	Rod Set	79-73	4-60985RA10 10-20	

1.4L 1438cc OHV L4 (8 Valve), 80mm Bore 1971-68 4
Eng. Code "124B2" 1970-73

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	71-70	ST-2039	Positive type; Rubber
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	71-68	4659M10 10-20-30	
1	Thrust Washer Set	71-68	60987AF Std Only	Position 3
1	Rod Set	71-68	4-60985RA10 10-20	

1.5L 1481cc OHV L4 (8 Valve), 77mm Bore 1967-64 5
Eng. Code "115C" 1964-67

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	67-64	2516AF Std Only	Position 1
1	Cam Set	67-64	1311MRA Std Only	

1.5L 1498cc SOHC L4 (8 Valve), 86.4mm Bore 1983-79 6
Eng. Codes "138A2" 1979-82, "138AS" 1979, "138B2" 1980-82, "138BS" 1980-89

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	81-79	ST-2039	Positive type; Rubber
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	83-79	60987AF Std Only	Position 3

Fiat

7 1.6L 1592cc DOHC L4 (8 Valve), 80mm Bore 1974-73 Eng. Codes "132A" 1972-78, "132AC" 1972-78					
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	74-73	ST-2039	Positive type; Rubber	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	74-73	6445M Std-10-30		
1	Thrust Washer Set	74-73	62037AF Std Only	Position 3	
1	Rod Set	74-73	4-66240RA Std Only	Brg. w/2 oil holes 30 deg. apart	
8 1.6L 1608cc DOHC L4 (8 Valve), 80mm Bore 1973-71 Eng. Code "125BC" 1971-73					
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	73-71	ST-2039	Positive type; Rubber	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	73-71	4659M10 10-20-30		
1	Thrust Washer Set	73-71	60987AF Std Only	Position 3	
9 1.8L 1756cc DOHC L4 (8 Valve), 84mm Bore 1978-74 Eng. Codes "132A" 1976-78, "132A1" 1974-78, "132AC" 1977-78					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	78-74	6445M Std-10-30		
1	Thrust Washer Set	78-74	62037AF Std Only	Position 3	
1	Rod Set	78-74	4-66240RA Std Only	Brg. w/2 oil holes 30 deg. apart	
10 2.0L 1995cc DOHC L4 (8 Valve), 84mm Bore 1985-79 Eng. Codes "132B" 1979-82, "132C" 1981-82, "132C2" 1979-82, "132C3" 1980-87					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	85-79	6445M Std-10-30		
1	Thrust Washer Set	85-79	62037AF Std Only	Position 3	
1	Rod Set	85-79	4-66240RA Std Only	Brg. w/2 oil holes 30 deg. apart	

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.3L 80.8 (1324cc) SOHC L4 71mm Bore (8 Valve) (Mazda Eng.)	1990-88	1	3.6L 223 OHV L6 3.625" Bore	1964-54	29
1.6L 97.5 (1597cc) SOHC L4 78mm Bore (8 Valve) (Mazda Eng.)	1989-87	2	3.7L 226 L-HEAD L6 3.2969" Bore	1951-41	30
1.6L 98 (1597cc) SOHC L4 80mm Bore (8 Valve)	1985-81	3	3.8L 232 (3797cc) OHV V6 96.8mm Bore	1990-82	31
1.6L 98 (1597cc) SOHC Turbo L4 80mm Bore (8 Valve)	1985-84	4	3.8L 232 (3797cc) OHV V6 96.8mm Bore (Supercharged)	1990-89	32
1.6L 98 (1598cc) OHV L4 81mm Bore (Fiesta)	1980-78	5	3.9L 239 OHV V8 3.5" Bore (Ford)	1954	33
1.6L 98 (1599cc) OHV L4 81mm Bore (Pinto/Capri)	1973-71	6	3.9L 239.4 L-HEAD V8 3.1875" Bore (Ford/Mercury)	1953-46	34
1.9L 114 (1868cc) SOHC L4 82mm Bore (8 Valve)	1990-85	7	3.9L 240 OHV L6 4" Bore	1972-65	35
2.0L 121.7 (1993cc) SOHC L4 90.8mm Bore (8 Valve)	1974-71	8	4.1L 250 OHV L6 3.68" Bore	1980-69	36
2.0L 122 (1998cc) SOHC Diesel L4 86mm Bore (8 Valve) (Mazda Eng.)	1987-84	9	4.2L 255 OHV V8 3.68" Bore	1982-80	37
2.2L 133 (2184cc) SOHC L4 86mm Bore (12 Valve) (Mazda Eng.)	1990-89	10	4.2L 255.4 L-HEAD V8 3.1875" Bore (Mercury)	1953-49	38
2.2L 133 (2184cc) SOHC Turbo L4 86mm Bore (12 Valve) (Mazda Eng.)	1990-89	11	4.2L 256 OHV V8 3.625" Bore (Mercury)	1954	39
2.3L 140 (2302cc) SOHC L4 96mm Bore (8 Valve)	1990-74	12	4.3L 260 OHV V8 3.7969" Bore	1965-62	40
2.3L 140 (2302cc) SOHC Turbo L4 96mm Bore (8 Valve)	1989-79	13	4.4L 272 OHV V8 3.625" Bore	1957-55	41
2.3L 140 OHV L4 3.679" Bore (HSC)	1990-84	14	4.7L 289 OHV V8 4" Bore	1968-63	42
2.4L 144 OHV L6 3.5" Bore	1964-60	15	4.8L 292 OHV V8 3.75" Bore	1962-55	43
2.4L 149 (2443cc) SOHC Turbo-Diesel L6 80mm Bore (12 Valve) (BMW Eng.)	1984	16	5.0L 302 OHV V8 4" Bore	1990-68	44
2.5L 153 OHV L4 3.679" Bore (HSC)	1990-86	17	5.1L 312 OHV V8 3.7969" Bore	1960-56	45
2.6L 155.6 (2551cc) OHV V6 90mm Bore (12 Valve)	1973-72	18	5.2L 317.5 OHV V8 3.8125" Bore (Lincoln)	1954-52	46
2.8L 170 OHV L6 3.5" Bore	1972-60	19	5.4L 332 OHV V8 4" Bore	1959-58	47
2.8L 171 (2792cc) OHV V6 93mm Bore (12 Valve)	1979-74	20	5.6L 341 OHV V8 3.9375" Bore (Lincoln)	1955	48
2.9L 177 (2935cc) OHV V6 93mm Bore (12 Valve)	1990-88	21	5.8L 351 OHV V8 4" Bore (Cleveland)	1974-70	49
3.0L 183 (2982cc) OHV V6 89mm Bore (12 Valve/Vulcan)	1990-86	22	5.8L 351 OHV V8 4" Bore (Modified)	1979-75	50
3.0L 183 (2982cc) DOHC V6 89mm Bore (24 Valve) (Yamaha Eng.)	1990-89	23	5.8L 351 OHV V8 4" Bore (Windsor)	1990-69	51
3.3L 200 OHV L6 3.68" Bore	1983-63	24	5.8L 352 OHV V8 4" Bore	1967-58	52
3.3L 200 L-HEAD L4 3.875" Bore (Models A & B)	1934-28	25	5.9L 361 OHV V8 4.05" Bore	1959-58	53
3.5L 215 OHV L6 3.5625" Bore	1953-52	26	6.0L 368 OHV V8 4" Bore (Lincoln)	1957-56	54
3.6L 221 OHV V8 3.5" Bore	1963-62	27	6.3L 383 OHV V8 4.2969" Bore (Mercury)	1960-58	55
3.6L 221 L-HEAD V8 3.0625" Bore (Ford)	1942-39	28	6.4L 390 OHV V8 4.05" Bore	1971-61	56
			6.6L 400 OHV V8 4" Bore	1979-71	57
			6.6L 406 OHV V8 4.125" Bore	1963-62	58
			6.7L 410 OHV V8 4.05" Bore (Mercury)	1967-66	59
			6.7L 410 OHV V8 4.2031" Bore (Edsel)	1958	60
			7.0L 427 OHV V8 4.2328" Bore	1969-63	61
			7.0L 428 OHV V8 4.13" Bore	1970-66	62
			7.0L 429 OHV V8 4.36" Bore	1973-68	63
			7.0L 430 OHV V8 4.2969" Bore	1965-58	64
			7.5L 460 OHV V8 4.36" Bore	1978-68	65
			7.6L 462 OHV V8 4.38" Bore (Lincoln)	1968-66	66

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
B3	1.3L 80.8 (1324cc) SOHC L4 71mm Bore (8 Valve) (Mazda Eng.)	1	M21D24	2.4L 149 (2443cc) SOHC Turbo-Diesel L6 80mm Bore (12 Valve) (BMW Eng.)	16
B6	1.6L 97.5 (1597cc) SOHC L4 78mm Bore (8 Valve) (Mazda Eng.)	2	RF	2.0L 122 (1998cc) SOHC Diesel L4 86mm Bore (8 Valve) (Mazda Eng.)	9
F2	2.2L 133 (2184cc) SOHC L4 86mm Bore (12 Valve) (Mazda Eng.)	10	2737E	1.6L 98 (1599cc) OHV L4 81mm Bore (Pinto/Capri)	6
F2-T	2.2L 133 (2184cc) SOHC Turbo L4 86mm Bore (12 Valve) (Mazda Eng.)	11	3036E	1.6L 98 (1598cc) OHV L4 81mm Bore (Fiesta)	5

1.3L 80.8 (1324cc) SOHC L4 (8 Valve), 71mm Bore (Mazda Eng.) 1990-88

VIN Codes "H" 1989-97, "K" 1988-89, Eng. Code "B3" 1988-97

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B185	Square tooth
1	Timing Belt	89-88	222-141	Round tooth
1	Timing Belt Tensioner	89-88	222-164BT	
1	Timing Belt & Tensioner Set	90	BTS-185	Square tooth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-841	
1	Camshaft	89	CS-841	w/A/T
1	Camshaft	89	CS-840	w/M/T
1	Camshaft	88	CS-840	
8	Lifter	90-88	HT-2254 Std Only	Hyd. lash adj.
8	Lifter, Bulk	90-88	HT-2254B Std Only	Hyd. lash adj.; Carton of 128
1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90	KC-841	Hyd. lash adj.; Incl. (1) CS-841, (8) HT-2254, (1) 55-403B

(continued on next page)

Ford Car

1 1.3L 80.8 (1324cc) SOHC L4 (8 Valve), 71mm Bore (Mazda Eng.) 1990-88 (cont.) VIN Codes "H" 1989-97, "K" 1988-89, Eng. Code "B3" 1988-97					
BLOCK	QTY	CAM KIT (cont.) Cam/Lifter Kit	YEARS 89	PART NO. KC-841	DESCRIPTION w/A/T; Hyd. lash adj.; Incl. (1) CS-841, (8) HT-2254, (1) 55-403B
	QTY	VALVE Exhaust Intake	YEARS 90-88 90-88	PART NO. V-2607 Std Only V-2608 Std Only	DESCRIPTION 1.1030" Head Dia., .2745" Stem Dia., 4.1010" O.A.L. 1.2610" Head Dia., .2745" Stem Dia., 4.1440" O.A.L.
	QTY	VALVE GUIDE Guide	YEARS 90-88	PART NO. VG-911	DESCRIPTION Exh. & Int.; .2765" ID, 1.9700" O.A.L.
	QTY	VALVE SPRING Spring	YEARS 90-88	PART NO. VS-1561	DESCRIPTION 1.7250" Free Height
	QTY	VALVE SEAL Valve Stem Seal	YEARS 90-88	PART NO. ST-2118	DESCRIPTION Exh. & Int.; O.E. design; Positive type; Viton®
	QTY	VALVE SEAT Int.	YEARS 90-88	PART NO. 245-1375-51 Std Only	DESCRIPTION 1.3820" OD, 1.0600" ID, .2800" Depth
BLOCK	QTY	PISTON Cast Piston	YEARS 90-88	PART NO. 546P Std-.50-.75-1.00MM	DESCRIPTION Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 1.107" CD, .7865" Pin Dia., Recessed Head .060" deep x 2.380" dia.
	4	Cast Piston - Individual	90-88	W546P Std-.50-.75-1.00MM	Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 1.107" CD, .7865" Pin Dia., Recessed Head .060" deep x 2.380" dia.
	1	Cast Piston Set w/Prem. Rings	90-88	4K546P Std-.75-1.00MM	Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 1.107" CD, 20.0mm Pin Dia., Recessed Head .126" deep
	QTY	RINGS Premium Set	YEARS 90-88	PART NO. E-552KC Std-.25-.50-.75-1.00MM	DESCRIPTION 1-1.20MM, 1-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90-88	WE-552KC Std-.25-.50-.75MM	1-1.20MM, 1-1.50MM, 1-3.00MM
	QTY	ENGINE BEARINGS Main Set Thrust Washer Set Rod Set	YEARS 90-88 90-88 90-88	PART NO. 7204M Std-.25-.50-.75MM 4176AF Std Only 4-3910RA Std-.25-.50-.75-1.00MM	DESCRIPTION A-Series aluminum bearings
KITS	QTY	GASKETS Kit Gasket Set	YEARS 90-88	PART NO. 260-1560	DESCRIPTION PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6216 205-6216M	----- -----
KITS	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6181	-----
2 1.6L 97.5 (1597cc) SOHC L4 (8 Valve), 78mm Bore (Mazda Eng.) 1989-87 VIN Codes "5" 1988-89, "7" 1987, Eng. Code "B6" 1987-89					
VALVE TRAIN	QTY	TIMING Timing Belt Timing Belt Tensioner	YEARS 89-87 89-87	PART NO. 222-141 222-164BT	DESCRIPTION Round tooth
	QTY	CAMSHAFT/LIFTER Camshaft Camshaft Camshaft Lifter Lifter, Bulk Prelube	YEARS 89-88 87 87 89-87 89-87 89-87	PART NO. CS-841 CS-841 CS-840 HT-2254 Std Only HT-2254B Std Only 55-400	DESCRIPTION From 11/87 To 10/87 Hyd. lash adj. Hyd. lash adj.; Carton of 128 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT Cam/Lifter Kit Cam/Lifter Kit	YEARS 89-88 87	PART NO. KC-841 KC-841	DESCRIPTION Hyd. lash adj.; Incl. (1) CS-841, (8) HT-2254, (1) 55-403B From 11/87; Hyd. lash adj.; Incl. (1) CS-841, (8) HT-2254, (1) 55-403B
	QTY	VALVE Exhaust Intake	YEARS 89-87 89-87	PART NO. V-2590 Std Only V-2592 Std Only	DESCRIPTION 1.2600" Head Dia., .2745" Stem Dia., 4.0430" O.A.L. 1.4950" Head Dia., .2749" Stem Dia., 4.0860" O.A.L.
	4	Exhaust	89-87	V-2590 Std Only	1.2600" Head Dia., .2745" Stem Dia., 4.0430" O.A.L.
	4	Intake	89-87	V-2592 Std Only	1.4950" Head Dia., .2749" Stem Dia., 4.0860" O.A.L.

(continued on next page)

Ford Car

1.6L 97.5 (1597cc) SOHC L4 (8 Valve), 78mm Bore (Mazda Eng.) 1989-87 2					
VIN Codes "5" 1988-89, "7" 1987, Eng. Code "B6" 1987-89 (cont.)					
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	89-87	VG-911	Exh. & Int.; .2765" ID, 1.9700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	89-88	VS-1561	1.7250" Free Height
	8	Spring	87	VS-1561	From 8/87; 1.7250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	89-87	ST-2118	Exh. & Int.; O.E. design; Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	89-87	245-1437-66 Std Only	1.4445" OD, 1.1200" ID, .3000" Depth
	4	Int.	89-87	245-1625-54 Std Only	1.6320" OD, 1.3290" ID, .2800" Depth
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	89-87	541P Std-1.00MM	Use w/E-551KC or E-551X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.230" CD, .7865" Pin Dia., Recessed Head .020" deep x 2.580" dia.	
4	Cast Piston - Individual	89-87	W541P Std Only	Use w/WE-551KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.230" CD, .7865" Pin Dia., Recessed Head .020" deep x 2.580" dia.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	89-87	E-551KC Std-.50-.75MM	2-1.50MM, 1-4.00MM	
1	Standard Set	89-87	E-551X Std-.50MM	2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	89-87	WE-551KC Std-.50MM	2-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	89-87	7204M Std-.25-.50-.75MM		
1	Thrust Washer Set	89-87	4176AF Std Only		
1	Rod Set	89-87	4-4175CP Std-.25-.50-.75MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	89-87	260-1764	Exh. heat shields not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	89-87	381-8062		
1.6L 98 (1597cc) SOHC L4 (8 Valve), 80mm Bore 1985-81 3					
VIN Codes "2" 1981-85, "4" 1982-85 (H.O.), "5" 1983-85 (H.O.), "7" 1983 (Flex Fuel)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	85-81	222-67	
	1	Timing Belt Tensioner	85-81	222-114BT	
	1	Timing Belt & Tensioner Set	85-81	BTS-67	Square tooth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	85-81	HT-2102 Std Only	Hyd.
	8	Lifter, Bulk	85-81	HT-2102B Std Only	Hyd. lash adj.; Carton of 122
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	85-81	R-1053	Incl. arm, ball & nut
	8	Arm Assy., Bulk	85-81	R-1053B	Incl. arm, ball & nut; Carton of 64
	8	Arm	85-81	R-904A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	85-81	V-2201 Std Only	Chrome plated stem; 1.4570" Head Dia., .3152" Stem Dia., 5.1890" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	85-81	VG-736	Use if orig. run-out from ID to OD is over .005"; .3175" ID, 2.5180" O.A.L.	
8	Guide	85-81	VG-737	Use if orig. run-out from ID to OD is under .005"; .3175" ID, 2.5180" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	85-81	ST-2088	Exh. & Int.; w/o flange; Positive type; Rubber/PTFE	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	85-81	245-1562-54 Std Only	1.5695" OD, 1.2200" ID, .3440" Depth	
4	Int.	85-81	245-1750-60 Std Only	1.555" ID top taper; 1.7570" OD, 1.4370" ID, .3020" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	85-81	VK-204	3 groove; w/.3125 Stem Dia.	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Cast Piston	85-83	488P.50MM .50MM	Cast; 1-1.60mm, 1-2.00mm, 1-4.00mm Ring Groove, 1.562" CD, .8121" Pin Dia., Domed Head; Contoured - 9.0:1 C.R.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	85-81	E-410X Std-.50-.75-1.00MM	1-1.60MM, 1-2.00MM, 1-4.00MM	

(continued on next page)

Ford Car

3 1.6L 98 (1597cc) SOHC L4 (8 Valve), 80mm Bore 1985-81 (cont.) VIN Codes "2" 1981-85, "4" 1982-85 (H.O.), "5" 1983-85 (H.O.), "7" 1983 (Flex Fuel)					
B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Premium Single Cylinder Set	85-81	WE-410K.75MM .75MM	1-1.60MM, 1-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-81	5109MA Std-.25-.50-.75MM	A-Series aluminum bearings ; Full grooved
	1	Rod Set	85-81	4-3805A Std-.25-.50-.75MM	A-Series aluminum bearings
B L O C K	4	Rod Pair	85-81	3805A Std-.25-.50-.75MM	A-Series aluminum bearings
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Head Bolt Set	85-81	260-2503	Replacement req'd.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	85-81	381-8062	
4 1.6L 98 (1597cc) SOHC Turbo L4 (8 Valve), 80mm Bore 1985-84 VIN Code "8" 1984-85					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt & Tensioner Set	85-84	BTS-67	Square tooth
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-84	5109MA Std-.25-.50-.75MM	A-Series aluminum bearings ; Full grooved
	1	Rod Set	85-84	4-3805A Std-.25-.50-.75MM	A-Series aluminum bearings
B L O C K	4	Rod Pair	85-84	3805A Std-.25-.50-.75MM	A-Series aluminum bearings
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Head Bolt Set	85-84	260-2503	Replacement req'd.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	85-84	381-8062	
5 1.6L 98 (1598cc) OHV L4 (Fiesta), 81mm Bore 1980-78 Eng. Code "3036E" 1978-80					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	80-78	222-172	46 Links
	1	Crank Sprocket	80-78	223-423	17 Teeth
	1	Cam Sprocket	80-78	223-504	34 Teeth
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
B L O C K	8	Guide	80-78	VG-5044	.3120" ID, 2.0000" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	80-78	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth
	4	Int.	80-78	245-1437-1 Std Only	1.4420" OD, 1.2500" ID, .2160" Depth
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	80-78	476P Std-.50-.75-1.00MM	Cast; 1-1/16", 1-5/64", 1-5/32" Ring Groove, 1.633" CD, .8120" Pin Dia., Recessed Head .500" deep x 2.290" dia. - 8.6:1 C.R.
	4	Cast Piston - Individual	80-78	W476P Std-.50-.75-1.00MM	Cast; 1-1/16", 1-5/64", 1-5/32" Ring Groove, 1.633" CD, .8120" Pin Dia., Recessed Head .500" deep x 2.290" dia. - 8.6:1 C.R.
	4	Pin Bushing	80-78	2789Y20	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Premium Set	80-78	E-405K20 20-30-40	1-1/16, 1-5/64, 1-5/32
	1	Standard Set	80-78	E-405X Std Only	1-1/16, 1-5/64, 1-5/32
	4	Premium Single Cylinder Set	80-78	WE-405K30 30	1-1/16, 1-5/64, 1-5/32
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Main Set	80-78	5083M Std Only	Position 3
	1	Thrust Washer Set	80-78	2786BF Std Only	
	1	Rod Set	80-78	4-2785CP Std-10-20-30	
	1	Cam Set	80-78	1459M Std Only	
B L O C K	1	Aux. Shaft Set	80-78	1731M	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	80-78	260-1111	Premium valve stem seals incl.
6 1.6L 98 (1599cc) OHV L4 (Pinto/Capri), 81mm Bore 1973-71 VIN Codes "L" 1971-72, "W" 1971-73, Eng. Code "2737E" 1971-73					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	73-71	222-172	46 Links
	1	Crank Sprocket	73-71	223-423	17 Teeth
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	73-71	VG-5044	.3120" ID, 2.0000" O.A.L.
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	73-71	MV-1828C	Positive type; Polyacrylate
	8	Valve Stem Seal Bulk	73-71	MV-1828	Positive type; Carton of 50; Polyacrylate

(continued on next page)

Ford Car

1.6L 98 (1599cc) OHV L4 (Pinto/Capri), 81mm Bore 1973-71 6				
VIN Codes "L" 1971-72, "W" 1971-73, Eng. Code "2737E" 1971-73 (cont.)				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	73-71	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	73-71	2789Y20	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	73-71	4865M Std-10-20	
1	Thrust Washer Set	73-71	2786BF Std Only	Position 3
1	Rod Set	73-71	4-2785CP Std-10-20-30	
1	Cam Set	73-71	1459M Std Only	
1.9L 114 (1868cc) SOHC L4 (8 Valve), 82mm Bore 1990-85 7				
VIN Codes "J" 1985-90 (H.O.), "J" 1991-96, "9" 1985-90				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-85	222-67	
1	Timing Belt Tensioner	90-85	222-114BT	
1	Timing Belt & Tensioner Set	90-85	BTS-67	Square tooth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-863	VIN Code "J"; w/r/r. lifters
1	Camshaft	89-87	CS-791	VIN Code "J"; w/flat lifters
1	Camshaft	89-87	CS-863	VIN Code "J"; w/r/r. lifters
1	Camshaft	89-87	CS-790	VIN Code "9"; w/flat lifters
8	Lifter	90	HT-2217 Std Only	Hyd. rlr.
8	Lifter	89-87	HT-2102 Std Only	Hyd.
8	Lifter	89-87	HT-2217 Std Only	Hyd. rlr.
8	Lifter	86-85	HT-2102 Std Only	Hyd.
8	Lifter, Bulk	90	HT-2217B Std Only	Hyd. rlr.; Carton of 122
8	Lifter, Bulk	89-87	HT-2102B Std Only	Hyd. lash adj.; Carton of 122
8	Lifter, Bulk	89-87	HT-2217B Std Only	Hyd. rlr.; Carton of 122
8	Lifter, Bulk	86-85	HT-2102B Std Only	Hyd. lash adj.; Carton of 122
1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90	KC-863	VIN Code "J"; Hyd. rlr.; Incl. (1) CS-863, (8) HT-2217, (1) 55-403B
1	Cam/Lifter Kit	89-87	KC-791	VIN Code "J"; Hyd. lash adj.; w/flat lifters; Incl. (1) CS-791, (8) HT-2102, (1) 55-403B
1	Cam/Lifter Kit	89-87	KC-863	VIN Code "J"; Hyd. rlr.; Incl. (1) CS-863, (8) HT-2217, (1) 55-403B
1	Cam/Lifter Kit	89-87	KC-790	VIN Code "9"; Hyd. lash adj.; w/flat lifters; Incl. (1) CS-790, (8) HT-2102, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-87	KCT-790	VIN code "9"; Hyd. lash adj.; w/flat lifters; Incl. (1) CS-790, (8) HT-2102, (1) 222-67, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-87	KCT-791	VIN Code "J"; Hyd. lash adj.; w/flat lifters; Incl. (1) CS-791, (8) HT-2102, (1) 222-67, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	90-85	R-1053	Incl. arm, ball & nut
8	Arm Assy., Bulk	90-85	R-1053B	Incl. arm, ball & nut; Carton of 64
8	Arm	90-85	R-904A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-87	V-2201 Std Only	VIN Code "J"; Chrome plated stem; 1.4570" Head Dia., .3152" Stem Dia., 5.1890" O.A.L.
4	Exhaust	90-87	V-2445 Std-15	VIN Code "9"; 3 groove; Chrome plated stem; 1.3390" Head Dia., .3152" Stem Dia., 5.2710" O.A.L.
4	Exhaust	86-85	V-2201 Std Only	Chrome plated stem; 1.4570" Head Dia., .3152" Stem Dia., 5.1890" O.A.L.
4	Exhaust, Bulk	90-87	V-2445B15 15	VIN Code "9"; 3 groove; Chrome plated stem; Carton of 25; 1.3390" Head Dia., .3302" Stem Dia., 5.2710" O.A.L.
4	Intake	90-87	V-2446 Std-15	VIN Code "9"; 3 groove; Chrome plated stem; 1.5350" Head Dia., .3163" Stem Dia., 5.3830" O.A.L.
4	Intake, Bulk	90-87	V-2446B15 15	VIN Code "9"; 3 groove; Chrome plated stem; Carton of 25; 1.5350" Head Dia., .3313" Stem Dia., 5.3830" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-85	VG-736	Use if orig. run-out from ID to OD is over .005"; .3175" ID, 2.5180" O.A.L.
8	Guide	90-85	VG-737	Use if orig. run-out from ID to OD is under .005"; .3175" ID, 2.5180" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-85	ST-2088	Positive type; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Int.	90-87	245-1625-62 Std Only	1.6320" OD, 1.3200" ID, .3000" Depth
4	Exh.	90-85	245-1562-54 Std Only	1.5695" OD, 1.2200" ID, .3440" Depth

VALVE TRAIN

VALVE TRAIN

(continued on next page)

Ford Car

7 1.9L 114 (1868cc) SOHC L4 (8 Valve), 82mm Bore 1990-85 (cont.) VIN Codes "J" 1985-90 (H.O.), "J" 1991-96, "9" 1985-90						
BLOCK	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION	
	4	Int.	90-85	245-1750-60	Std Only 1.555" ID top taper; 1.7570" OD, 1.4370" ID, .3020" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90-85	VK-204	3 groove; w/.3125 Stem Dia.	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90-87	H529P	Std-.50-.75-1.00MM VIN Code "9"; Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.277" CD, .8121" Pin Dia., Recessed Head .085" deep w/2 valve reliefs - 9.0:1 C.R.	
	4	Cast Piston - Individual	90-87	WH529P	Std-.50-.75-1.00MM VIN Code "9"; Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.277" CD, .8121" Pin Dia., Recessed Head .085" deep w/2 valve reliefs - 9.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-87	E-470KC	Std-.50-.75-1.00MM 2-1.50MM, 1-3.00MM	
	1	Premium Set	86-85	E-469KC	Std Only 2-1.50MM, 1-4.00MM	
1	Standard Set	90-87	E-470X	Std-.50-.75-1.00MM 2-1.50MM, 1-3.00MM		
1	Standard Set	86-85	E-469X	Std-.50-.75MM 2-1.50MM, 1-4.00MM		
4	Premium Single Cylinder Set	90-87	WE-470KC	Std-.50-.75-1.00MM 2-1.50MM, 1-3.00MM		
4	Premium Single Cylinder Set	86-85	WE-469KC	Std Only 2-1.50MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-85	6695MA	Std-.25-.50-.75MM A-Series aluminum bearings; 3/4 grooved		
1	Rod Set	90-87	4-1400AA	Std-.25-.50-.75MM A-Series aluminum bearings		
1	Rod Set	86-85	4-3805A	Std-.25-.50-.75MM A-Series aluminum bearings		
4	Rod Pair	90-87	1400AA	Std-.25-.50-.75MM A-Series aluminum bearings		
4	Rod Pair	86-85	3805A	Std-.25-.50-.75MM A-Series aluminum bearings		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90-85	224-41972			
1	Screen Assy.	90-85	224-11972			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-86	260-1205	Head bolts incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	85	260-1205	w/Alum. valve cover; Head bolts incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
1	Head Bolt Set	90-85	260-2503	Replacement req'd.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-85	381-8062			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-87	Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring w/Mains Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6103M	205-1103M
	90-87	Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6103	205-1103
	86	Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-876	----
	86	Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring w/Mains PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.			205-876M	----
	85	w/Alum. valve cover; Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-876	----
	85	w/Alum. valve cover; Head bolts incl.; Incl. A-Series aluminum bearings; Re-ring w/Mains PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.			205-876M	----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
90	VIN Code "J"; Head bolts incl.; Incl. A-Series aluminum bearings; Master w/o Pistons PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/r/r. lifters; Incl. 3/4 grooved main brgs.			MK-6103E	MK-1103E	

(continued on next page)

Ford Car

1.9L 114 (1868cc) SOHC L4 (8 Valve), 82mm Bore 1990-85 7					
VIN Codes "J" 1985-90 (H.O.), "J" 1991-96, "9" 1985-90 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION		BKP-6104	-----
	90-87	VIN Code "9"; Head bolts incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block	BK-6104	-----
	89-87	VIN Code "J"; Head bolts incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/flat lifters; Incl. 3/4 grooved main brgs.	Master w/o Pistons	MK-6103A	MK-1103A
	89-87	VIN Code "9"; Head bolts incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/flat lifters	Master	MKP-6103C	MKP-1103C
	89-87	VIN Code "9"; Head bolts incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/flat lifters; Incl. 3/4 grooved main brgs.	Master w/o Pistons	MK-6103C	MK-1103C
	89-87	VIN Code "9"; Head bolts incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/flat lifters	Master w/o Rods & Mains	505-6103C	505-1103C
	89-87	VIN Code "J"; Head bolts incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/r/r. lifters; Incl. 3/4 grooved main brgs.	Master w/o Pistons	MK-6103E	MK-1103E
2.0L 121.7 (1993cc) SOHC L4 (8 Valve), 90.8mm Bore 1974-71 8					
VIN Code "X" 1971-74					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	74-71	222-13	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	74-71	VG-5016	Guide top OD is cut for MV-1828 seal; .3175" ID, 2.0000" O.A.L.
	8	Guide	74-71	VG-5016T	Guide top OD is cut for MV-1828 seal; Threaded; .3175" ID, 2.0000" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	74-71	MV-1828C	Positive type; Polyacrylate
	8	Valve Stem Seal Bulk	74-71	MV-1828	Positive type; Carton of 50; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	74-71	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
B L O C K	4	Exh.	74-71	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	4	Int.	74-71	245-1750-3N Std Only	Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth
	4	Int.	74-71	245-1750-3 Std Only	1.7555" OD, 1.4375" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	74-71	VK-204	3 groove; w/.3125 Stem Dia.
	8	Spring Insert	74-71	259-105B	.030"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	74-71	397P Std-30-60	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.588" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R.
	4	Cast Piston - Individual	74-71	W397P Std-30-60	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.588" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	4	Premium Single Cylinder Set	74-71	WE-315KC Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-71	5035M10 10	w/Standard housing bore
	1	Thrust Washer Set	74-71	3461AFA Std Only	Position 3
	1	Rod Set	74-71	4-3460RA Std-10-20	
	1	Cam Set	74-71	1412M Std Only	
	1	Aux. Shaft Set	74-71	1731M	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	74-71	260-1015	Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Brass Block Plug Kit	74-71	381-8028	

Ford Car

9 2.0L 122 (1998cc) SOHC Diesel L4 (8 Valve), 86mm Bore (Mazda Eng.) 1987-84 VIN Code "H" 1984-87, Eng. Code "RF" 1984-87						
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	87-84	245-1687-57	Std Only 1.687" OD	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	87-84	VK-207		
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	87-84	4-67309Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-84	E-594KC	Std Only 2-2.00MM, 1-4.00MM	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6645MA	Std-.25-.50MM A-Series aluminum bearings	
	1	Rod Set	87-84	4-3975P	Std-.25-.50-.75-1.00MM	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	87-84	381-8029			
10 2.2L 133 (2184cc) SOHC L4 (12 Valve), 86mm Bore (Mazda Eng.) 1990-89 VIN Code "C" 1989-92, Eng. Code "F2" 1989-92						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-89	222-134		
	1	Timing Belt Tensioner	90-89	222-166BT		
	1	Timing Belt & Tensioner Set	90-89	BTS-134		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-89	CS-1509		
	12	Lifter	90-89	HT-2254	Std Only Hyd. lash adj.	
	12	Lifter, Bulk	90-89	HT-2254B	Std Only Hyd. lash adj.; Carton of 128	
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-89	KC-1509	Hyd. lash adj.; Incl. (1) CS-1509, (12) HT-2254, (1) 55-403B	
	V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4		Exhaust	90-89	V-2614	Std Only Chrome plated stem; 1.3390" Head Dia., .2745" Stem Dia., 4.5700" O.A.L.	
4		Intake	90-89	V-2615	Std Only Chrome plated stem; 1.2800" Head Dia., .2747" Stem Dia., 4.5620" O.A.L.	
QTY		VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8		Guide	90-89	VG-927	.2761" ID, 2.0867" O.A.L.	
8		Guide	90-89	VG-1376	Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.	
QTY		VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
4		Spring	90-89	VS-1573	Exh.; 1.9450" Free Height	
8		Spring	90-89	VS-1574	Int.; 1.9220" Free Height	
QTY		VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8		Valve Stem Seal	90-89	ST-2118	Exh. & Int.; O.E. design; Positive type; Viton®	
B L O C K		QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	90-89	245-1375-56	Std Only 1.3820" OD, 1.1020" ID, .2600" Depth	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-542K	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	1	Premium Set	90-89	E-542KC	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	1	Standard Set	90-89	E-542X	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-89	WE-542KC	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	6692M	Std-.25-.50-.75MM	
	1	Rod Set	90-89	4-3975P	Std-.25-.50-.75-1.00MM	
	1	Cam Set	90-89	1863M	Std Only	
	B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1		Oil Pump	90-89	224-41995		
QTY		GASKETS	YEARS	PART NO.	DESCRIPTION	
1		Kit Gasket Set	90-89	260-1765	Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-89	381-8100	Eng. Code "F2"	
RE-RING KIT				PREMIUM ECONOMY		
YEARS		DESCRIPTION		KIT NO.		KIT NO.
90-89		Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		205-6861		205-1861
				205-6861M		205-1861M
				Re-ring		
				Re-ring w/Mains		

Ford Car

2.2L 133 (2184cc) SOHC Turbo L4 (12 Valve), 86mm Bore (Mazda Eng.) 1990-89 11

VIN Code "L" 1989-92, Eng. Code "F2-T" 1989-92

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-134	
	1	Timing Belt & Tensioner Set	90-89	BTS-134	
	1	Belt Idler	90-89	222-215BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-1509	
	12	Lifter	90-89	HT-2254 Std Only	Hyd. lash adj.
	12	Lifter, Bulk	90-89	HT-2254B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Cam/Lifter Kit	90-89	KC-1509	Hyd. lash adj.; Incl. (1) CS-1509, (12) HT-2254, (1) 55-403B
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-89	V-4355 Std Only	Chrome plated stem; 1.3390" Head Dia., .2745" Stem Dia., 4.6420" O.A.L.
	4	Intake	90-89	V-2615 Std Only	Chrome plated stem; 1.2800" Head Dia., .2747" Stem Dia., 4.5620" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-89	VG-927	.2761" ID, 2.0867" O.A.L.
	8	Guide	90-89	VG-1376	Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	4	Spring	90-89	VS-1573	Exh.; 1.9450" Free Height
	8	Spring	90-89	VS-1574	Int.; 1.9220" Free Height
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	90-89	245-1375-56 Std Only	1.3820" OD, 1.1020" ID, .2600" Depth
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-542K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	90-89	E-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-89	WE-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	6692M Std-.25-.50-.75MM	
	1	Rod Set	90-89	4-3975P Std-.25-.50-.75-1.00MM	
	1	Cam Set	90-89	1863M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-89	224-41995	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1765	Turbo mtg. gskts. not incl.; Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-89	381-8100	Eng. Code "F2-T"
RE-RING KIT					
YEARS		DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90-89		Turbo mtg. gskts. not incl.; Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		205-6861	----
		Re-ring		205-6861M	----
		Re-ring w/Mains			

2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74 12

VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-74	222-14	
	1	Timing Belt Tensioner	90-74	222-11BT	
	1	Timing Belt & Tensioner Set	90-74	BTS-14	Use w/square tooth sprocket
	1	Crank Sprocket	90-74	223-447	19 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-87	CS-767	
	1	Camshaft	86-85	CS-666	
	1	Camshaft	84-82	CS-666	
	1	Camshaft	81-74	CS-666	
VALVE TRAIN	8	Lifter	90-74	HT-2012 Std Only	Hyd. lash adj.; Std. length
	8	Lifter, Bulk	90-74	HT-2012B Std Only	Hyd. lash adj.; Std. length; Carton of 120
	1	Prelube	90-74	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-87	KC-767	Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B
	1	Cam/Lifter Kit	86-85	KC-666	Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B

(continued on next page)

Ford Car

12 2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74
(cont.) VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	84-82	KC-666	Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B
1	Cam/Lifter Kit	81-74	KC-666	Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B
1	Cam/Flwr. Kit	90-87	KC-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	86-85	KC-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	84-82	KC-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	81-74	KC-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	90-87	KC-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	86-85	KC-666C	Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	84-82	KC-666C	Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	81-74	KC-666C	Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-87	KCT-767	Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	90-87	KCT-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	86-85	KCT-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	84-82	KCT-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	81-74	KCT-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	90-87	KCT-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	86-85	KCT-666C	Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	84-82	KCT-666C	Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	81-74	KCT-666C	Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	90-74	R-873	
8	Arm, Bulk	90-74	R-873B	Carton of 64
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-74	V-3943 Std-15	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.7920" O.A.L.
4	Exhaust, Bulk	90-74	V-3943B15 15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3564" Stem Dia., 4.7920" O.A.L.
4	Intake	90-77	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
4	Intake	76	V-2170 Std-15	From Change LY-9; Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
4	Intake	76	V-2456 Std-15	To change LY-9; Chrome plated stem; 1.7323" Head Dia., .3415" Stem Dia., 4.7854" O.A.L.
4	Intake	75-74	V-2456 Std-15	Chrome plated stem; 1.7323" Head Dia., .3415" Stem Dia., 4.7854" O.A.L.
4	Intake, Bulk	90-77	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
4	Intake, Bulk	76	V-2170B15 15	From Change LY-9; Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
4	Intake, Bulk	76	V-2456B15 15	To change LY-9; Chrome plated stem; Carton of 25; 1.7323" Head Dia., .3565" Stem Dia., 4.7854" O.A.L.
4	Intake, Bulk	75-74	V-2456B15 15	Chrome plated stem; Carton of 25; 1.7323" Head Dia., .3565" Stem Dia., 4.7854" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-74	VG-5045	.3440" ID, 2.1800" O.A.L.
8	Guide	90-74	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	90-79	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber
4	Valve Stem Seal	85	ST-2004	Exh.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	84-74	ST-2003	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber
4	Valve Stem Seal Bulk	85	ST-2004BC	Exh.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

Ford Car

2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74 12

VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79 (cont.)

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal Bulk	84-74	ST-2003BC	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-74	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
4	Exh.	90-74	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
4	Int.	90-74	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-74	VK-205	4 groove
16	Keeper	90-74	VK-205R	4 groove; Hardened
8	Spring Insert	90-74	259-102C	.015"; Carton of 100
8	Spring Insert	90-74	259-102B	.030"; Carton of 100
8	Spring Insert	90-74	259-102A	.060"; Carton of 100
8	Spring Insert	90-74	259-102ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	90-83	H435P Std-20-30-40-60	Use w/E-352K or E-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston	90-83	H537P Std-20-30-40-60	Use w/E-442KC or E-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
4	Cast Piston	86-85	495P Std-20-30-40	Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston	84	495P Std-20-30-40	VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston	83	495P Std-20-30-40	From 8/82; VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston	82-74	H435P Std-20-30-40-60	Use w/E-352K or E-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston - Individual	90-83	WH435P Std-20-30-40-60	Use w/WE-352K or WE-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston - Individual	90-83	WH537P Std-20-30-40-60	Use w/WE-442KC or WE-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
4	Cast Piston - Individual	86-85	W495P Std-20-30-40	Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston - Individual	84	W495P Std-20-30-40	VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston - Individual	83	W495P Std-20-30-40	From 8/82; VIN Code "A"; Use w/WE-442KC or WE-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Cast Piston - Individual	82-74	WH435P Std-20-30-40-60	Use w/WE-352K or WE-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
4	Powerforged	78-74	L-2455F.75MM .75-1.00MM	Use w/E-352K or E-352X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
4	Forged Piston - Individual	78-74	WL-2455F.75MM 1.00-.75MM	Use w/WE-352K or WE-352X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-442KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1	Premium Set	90-85	E-352K Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
1	Premium Set	89-87	E-442KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1	Premium Set	86-83	E-442KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1	Premium Set	84-74	E-352K Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
1	Standard Set	90	E-442X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM

(continued on next page)

Ford Car

12 2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74
(cont.) VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	90-85	E-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
	1	Standard Set	89-87	E-442X Std.-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	86-83	E-442X Std.-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	84-74	E-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
	4	Premium Single Cylinder Set	90	WE-442KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-85	WE-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
	4	Premium Single Cylinder Set	89-87	WE-442KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86-83	WE-442KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	84-74	WE-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-74	4979M Std.-.25-.50-.75-1.00MM	
	1	Rod Set	90-74	4-3545A Std.-.25-.50-.75-1.00MM	A-Series aluminum bearings
	4	Rod Pair	90-74	3545A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	1	Cam Set	90-74	1443M Std Only	
	1	Cam Set	90-74	1842M Std Only	Spec. oil control brg., differs from O.E. design, 360 Degree OD groove
	1	Aux. Shaft Set	90-74	1460M	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-43405	
	1	Oil Pump	90-80	224-41160V	High Volume; Not for use w/Alum. oil pan
BLOCK	1	Oil Pump	89	224-43405	Mustang & Thunderbird
	1	Oil Pump	88-87	224-41127	Mustang
	1	Oil Pump	88-87	224-43405	Thunderbird
	1	Oil Pump	86	224-41127	
	1	Oil Pump	85	224-41127	From 4/9/85
	1	Oil Pump	85	224-41160	To 4/8/85
	1	Oil Pump	84-79	224-41160	
	1	Oil Pump	79-74	224-41160V	High Volume; Not for use w/Alum. oil pan
	1	Oil Pump	78-74	224-41160	
	1	Inter. Shaft	90-74	224-61160	
BLOCK	1	Screen Assy.	90	224-12160	
	1	Screen Assy.	89	224-13160	Mustang
	1	Screen Assy.	89-87	224-12160	Thunderbird & Cougar
	1	Screen Assy.	88-87	224-13160	Mustang
	1	Screen Assy.	85	224-13160	From 4/9/85
	1	Screen Assy.	85	224-12160	To 4/8/85
	1	Screen Assy.	84-81	224-12160	
	1	Screen Assy.	80	224-12160	Granada & Mustang
	1	Screen Assy.	80-79	224-11160	Pinto & Bobcat
	1	Screen Assy.	79	224-12160	Mustang
BLOCK	1	Screen Assy.	78	224-11160	Exc. Fairmont & Zephyr
	1	Screen Assy.	78	224-12160	Fairmont & Zephyr
	1	Screen Assy.	77-74	224-11160	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1434	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88-87	260-1206	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86	260-1206	From 2/20/86; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86	260-1162	To 2/19/86; Premium valve stem seals incl.
	1	Kit Gasket Set	85	260-1162	Premium valve stem seals incl.
	1	Kit Gasket Set	84-82	260-1161	Premium valve stem seals incl.
	1	Kit Gasket Set	81	260-1161	From 9/29/81; Premium valve stem seals incl.
	1	Kit Gasket Set	81	260-1018	To 9/28/81; Premium valve stem seals incl.
	1	Kit Gasket Set	80-74	260-1018	Premium valve stem seals incl.

(continued on next page)

2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74 12

VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79 (cont.)

QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION			
1	Head Bolt Set	90-74	260-2510	Replacement recommended			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	90-74	381-8029				
1	Steel Block Plug Kit	90-74	381-4022				
K I T S	RE-RING KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	90	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove			Re-ring Re-ring w/Mains	205-6105 205-6105M 205-1105 205-1105M	
	90-89	Incl. A-Series aluminum bearings PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; For pistons w/2-2.00MM, 1-4.76MM ring groove			Re-ring Re-ring w/Mains	----- ----- 205-1944 205-1944M	
	89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove			Re-ring Re-ring w/Mains	205-6105 205-6105M 205-1105 205-1105M	
	88	Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-878 205-878M ----- -----	
	87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-878 205-878M ----- -----	
	86	To 2/19/86; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-753 205-753M ----- -----	
	86	From 2/20/86; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-878 205-878M ----- -----	
	85	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-753 205-753M ----- -----	
	84-82	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-752 205-752M 205-252 205-252M	
	81	To 9/28/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-646 205-646M 205-146 205-146M	
	81	From 9/29/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-752 205-752M 205-252 205-252M	
	80-74	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-646 205-646M 205-146 205-146M	
	OVERHAUL KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	90	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master Master w/o Pistons	MKP-6105A MK-6105A ----- -----	
	90	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master w/o Rods & Mains	505-6105A -----	
	90-89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. H537P piston			Block w/Pump & Freeze Plugs Block	BKP-6112 BK-6112 ----- -----	
	90-89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. H435P piston			Block w/Pump & Freeze Plugs Block	BKP-6113 BK-6113 ----- -----	
	89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master Master w/o Pistons	MKP-6105A MK-6105A ----- -----	
	89	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master w/o Rods & Mains	505-6105A -----	
	88-87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master Master w/o Pistons	MKP-878C MK-878C ----- -----	

(continued on next page)

Ford Car

12 2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-74

(cont.) VIN Codes "A" 1980-90, "M" 1991-93, "Y" 1974-79

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	88-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains	505-878C	----	
	86	To 2/19/86; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-753A MK-753A	----	
	86	To 2/19/86; Premium valve stem seals incl.	Master w/o Rods & Mains	505-753A	----	
	86	From 2/20/86; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-878A MK-878A	----	
	86	From 2/20/86; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-878A	----	
	85	From 4/9/85; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-753A MK-753A	----	
	85	From 4/9/85; Premium valve stem seals incl.	Master w/o Rods & Mains	505-753A	----	
	84-82	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-752A MK-752A	MKP-252A MK-252A	
	84-82	Premium valve stem seals incl.	Master w/o Rods & Mains	505-752A	505-252A	
	81	To 9/28/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-646A MK-646A	MKP-146A MK-146A	
	81	To 9/28/81; Premium valve stem seals incl.	Master w/o Rods & Mains	505-646A	505-146A	
	81	From 9/29/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-752A MK-752A	MKP-252A MK-252A	
	81	From 9/29/81; Premium valve stem seals incl.	Master w/o Rods & Mains	505-752A	505-252A	
	80-74	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-646A MK-646A	MKP-146A MK-146A	
	80-74	Premium valve stem seals incl.	Master w/o Rods & Mains	505-646A	505-146A	

13 2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79

VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Belt	89-83	222-14		
	1	Timing Belt	80-79	222-14		
	1	Timing Belt Tensioner	89-83	222-11BT		
	1	Timing Belt Tensioner	80-79	222-11BT		
	1	Timing Belt & Tensioner Set	89-83	BTS-14	Use w/square tooth sprocket	
	1	Timing Belt & Tensioner Set	80-79	BTS-14	Use w/square tooth sprocket	
	1	Crank Sprocket	89-83	223-447	19 Teeth	
	1	Crank Sprocket	80-79	223-447	19 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	88-86	CS-767	VIN Code "W"	
	1	Camshaft	86	CS-666	VIN Code "T"	
	1	Camshaft	85	CS-666	From 2/4/85; VIN Code "T"	
	1	Camshaft	85	CS-767	To 2/3/85; VIN Code "T"	
	1	Camshaft	85	CS-767	VIN Code "W"	
	1	Camshaft	84-83	CS-767		
	8	Lifter	88-83	HT-2012 Std Only	Hyd. lash adj.; Std. length	
	8	Lifter, Bulk	88-83	HT-2012B Std Only	Hyd. lash adj.; Std. length; Carton of 120	
	1	Prelube	88-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	88-86	KC-767	VIN Code "W"; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B	
	1	Cam/Lifter Kit	86	KC-666	VIN Code "T"; Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B	
	1	Cam/Lifter Kit	85	KC-666	From 2/4/85; VIN Code "T"; Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B	
	1	Cam/Lifter Kit	85	KC-767	To 2/3/85; VIN Code "T"; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B	
	1	Cam/Lifter Kit	85	KC-767	VIN Code "W"; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B	
	1	Cam/Lifter Kit	84-83	KC-767	Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B	
	1	Cam/Flwr. Kit	88-86	KC-767A	VIN Code "W"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B	

(continued on next page)

2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79 13

VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89 (cont.)

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Flwr. Kit	86	KC-666A	VIN Code "T"; Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	85	KC-666A	From 2/4/85; VIN Code "T"; Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	85	KC-767A	To 2/3/85; VIN Code "T"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	85	KC-767A	VIN Code "W"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	84-83	KC-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	88-86	KC-767C	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	86	KC-666C	VIN Code "T"; Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	85	KC-666C	From 2/4/85; VIN Code "T"; Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	85	KC-767C	To 2/3/85; VIN Code "T"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	85	KC-767C	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	84-83	KC-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-86	KCT-767	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-767	To 2/3/85; VIN Code "T"; Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-767	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-83	KCT-767	Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	88-86	KCT-767A	VIN Code "W"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	86	KCT-666A	VIN Code "T"; Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	85	KCT-666A	From 2/4/85; VIN Code "T"; Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	85	KCT-767A	To 2/3/85; VIN Code "T"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	85	KCT-767A	VIN Code "W"; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	84-83	KCT-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	88-86	KCT-767C	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	86	KCT-666C	VIN Code "T"; Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	85	KCT-666C	From 2/4/85; VIN Code "T"; Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	85	KCT-767C	To 2/3/85; VIN Code "T"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	85	KCT-767C	VIN Code "W"; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	84-83	KCT-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	88-83	R-873	
8	Arm, Bulk	88-83	R-873B	Carton of 64
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Intake	88-83	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
4	Intake	80-79	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
4	Intake, Bulk	88-83	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
4	Intake, Bulk	80-79	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.

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Ford Car

13 2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79

(cont.) VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89

VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	88-83	VG-5045	.3440" ID, 2.1800" O.A.L.
	8	Guide	88-83	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.
	8	Guide	80-79	VG-5045	.3440" ID, 2.1800" O.A.L.
	8	Guide	80-79	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	88-83	VS-1459	Incl. damper; 1.9800" Free Height
	8	Spring	80-79	VS-1459	Incl. damper; 1.9800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	88-83	ST-2092	Exh.; O.E. design; Positive type; Rubber
VALVE TRAIN	8	Valve Stem Seal	84-83	ST-2003	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber
	8	Valve Stem Seal	80-79	ST-2003	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber
	8	Valve Stem Seal Bulk	84-83	ST-2003BC	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	80-79	ST-2003BC	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	88-83	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.	88-83	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	4	Int.	88-83	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	4	Exh.	80-79	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.	80-79	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
BLOCK	4	Int.	80-79	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	88-83	VK-205	4 groove
	16	Keeper	88-83	VK-205R	4 groove; Hardened
	16	Keeper	80-79	VK-205	4 groove
	16	Keeper	80-79	VK-205R	4 groove; Hardened
	8	Spring Insert	88-83	259-102C	.015"; Carton of 100
	8	Spring Insert	88-83	259-102B	.030"; Carton of 100
	8	Spring Insert	88-83	259-102A	.060"; Carton of 100
	8	Spring Insert	88-83	259-102ARS	.060"; Carton of 500
BLOCK	8	Spring Insert	80-79	259-102C	.015"; Carton of 100
	8	Spring Insert	80-79	259-102B	.030"; Carton of 100
	8	Spring Insert	80-79	259-102A	.060"; Carton of 100
	8	Spring Insert	80-79	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89-83	H559P Std-20-30-40	Use w/E-441K ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Recessed Head w/offset "D" shape .095" deep
	4	Cast Piston - Individual	89-83	WH559P Std-20-30-40	Use w/WE-441K ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Recessed Head w/offset "D" shape .095" deep
	4	Powerforged	89-84	L-2500F.50MM .50-.75MM	VIN Codes "T" & "W"; Use w/E-441K ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Recessed Head .095" deep. DurOshield® skirt coated piston.
	4	Powerforged	83	L-2500F.50MM .50-.75MM	VIN Code "D"; ; Use w/E-441K ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Recessed Head .095" deep. DurOshield® skirt coated piston.
	4	Powerforged	80-79	L-2455F.75MM .75-1.00MM	Use w/E-441K ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
BLOCK	4	Forged Piston - Individual	80-79	WL-2455F.75MM 1.00-.75MM	Use w/WE-441K ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-87	E-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM
	1	Premium Set	86-83	E-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM
	1	Premium Set	80-79	E-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM
	4	Premium Single Cylinder Set	89-87	WE-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM
	4	Premium Single Cylinder Set	86-83	WE-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM
	4	Premium Single Cylinder Set	80-79	WE-441K Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM

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Ford Car

2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79 **13**

VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89 (cont.)

2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79						13	
VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89						(cont.)	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Main Set	88-83	4979M	Std-.25-.50-.75-1.00MM		
	1	Rod Set	88-83	4-3545A	Std-.25-.50-.75-1.00MM		A-Series aluminum bearings
	4	Rod Pair	88-83	3545A	Std-.026-.25-.50-.75-1.00MM		A-Series aluminum bearings
	1	Cam Set	88-83	1443M	Std Only		Spec. oil control brg., differs from O.E. design, 360 Degree OD groove
	1	Cam Set	88-83	1842M	Std Only		
	1	Aux. Shaft Set	88-83	1460M			
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	89-83	224-43405	High Volume; Not for use w/Alum. oil pan		
	1	Oil Pump	89-83	224-41160V			
1	Oil Pump	80-79	224-43405				
1	Oil Pump	80-79	224-41160V	High Volume; Not for use w/Alum. oil pan			
1	Inter. Shaft	89-83	224-61160	Thunderbird & XR4Ti From 4/9/85 To 4/8/85			
1	Inter. Shaft	80-79	224-61160				
1	Screen Assy.	88-87	224-12160				
1	Screen Assy.	85	224-13160				
1	Screen Assy.	85	224-12160				
1	Screen Assy.	84-83	224-12160				
1	Screen Assy.	80-79	224-12160				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	89	260-1434	PermaDry® molded rubber valve cover & oil pan gsks. incl.; Premium valve stem seals incl.			
1	Kit Gasket Set	88-87	260-1206	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			
1	Kit Gasket Set	86	260-1206	From 7/16/86; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			
1	Kit Gasket Set	86	260-1162	To 7/15/86; Premium valve stem seals incl.			
1	Kit Gasket Set	85	260-1162	Premium valve stem seals incl.			
1	Kit Gasket Set	84-79	260-1162	Premium valve stem seals incl.			
1	Head Bolt Set	89-79	260-2510	Replacement recommended			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	88-79	381-8029				
1	Steel Block Plug Kit	88-83	381-4022				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	88-87	Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-879 205-879M	----- -----
	86	To 7/15/86; Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-754 205-754M	----- -----
	86	From 7/16/86; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-879 205-879M	----- -----
	86	To 7/15/86; Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-880 205-880M	----- -----
	85	Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-754 205-754M	----- -----
	85-83	Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-880 205-880M	----- -----
	84-83	Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-754 205-754M	----- -----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	88-87	VIN Code "W"; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master Master w/o Pistons	MKP-879A MK-879A	----- -----
	88-87	VIN Code "W"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master w/o Rods & Mains	505-879A	-----
	86	To 7/15/86; VIN Code "T"; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan			Master w/o Pistons	MK-754A	-----

(continued on next page)

Ford Car

13 2.3L 140 (2302cc) SOHC Turbo L4 (8 Valve), 96mm Bore 1989-79

(cont.) VIN Codes "D" 1983, "T" 1980-88, "W" 1979-89

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	86	From 7/16/86; VIN Code "W"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master Master w/o Pistons MKP-879A MK-879A	----- -----	
	86	From 7/16/86; VIN Code "W"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-879A	-----	
	86	From 7/16/86; VIN Code "T"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master Master w/o Pistons MKP-879C MK-879C	----- -----	
	86	From 7/16/86; VIN Code "T"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-879C	-----	
	86	To 7/15/86; VIN Code "W"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master Master w/o Pistons MKP-880A MK-880A	----- -----	
	86	To 7/15/86; VIN Code "W"; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-880A	-----	
	85	From 2/4/85; VIN Code "T"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Pistons MK-754A	-----	
	85	To 2/3/85; VIN Code "T"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master Master w/o Pistons MKP-880A MK-880A	----- -----	
	85	To 2/3/85; VIN Code "T"; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-880A	-----	
	85	VIN Code "W"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master Master w/o Pistons MKP-880A MK-880A	----- -----	
	85	VIN Code "W"; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-880A	-----	
	84-83	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Pistons MK-880A	-----	
	84-83	VIN Codes "D", "T" & "W"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master MKP-880A	-----	
	84-83	VIN Codes "D", "T" & "W"; Premium valve stem seals incl.; Incl. High Volume oil pump; Not for use w/Alum. oil pan	Master w/o Rods & Mains 505-880A	-----	

14 2.3L 140 OHV L4 (HSC), 3.679" Bore 1990-84

VIN Codes "R" 1984-87, "S" 1985-91 (H.O.), "X" 1985-94

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	90-84	KT3-505S	Incl. (1) 222-505, (1) 223-617, (1) 223-618	
	1	Timing Chain	90-84	222-505	46 Links	
	1	Timing Chain Tensioner	90-84	222-127CT		
	1	Crank Sprocket	90-84	223-617	18 Teeth	
	1	Cam Sprocket	90-84	223-618	36 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	90-86	CS-788	VIN Code "X"	
	1	Camshaft	85	CS-788	VIN Codes "R" & "X"	
	1	Camshaft	84	CS-788		
	8	Lifter	90-84	HT-900 Std Only	Hyd.	
	8	Lifter, Bulk	90-84	HT-900B Std Only	Hyd.; Carton of 122	
	1	Prelube	90-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	90-86	KC-788	VIN Code "X"; Hyd.; Incl. (1) CS-788, (8) HT-900, (1) 55-403B	
	1	Cam/Lifter Kit	85	KC-788	VIN Codes "R" & "X"; Hyd.; Incl. (1) CS-788, (8) HT-900, (1) 55-403B	

(continued on next page)

Ford Car

2.3L 140 OHV L4 (HSC), 3.679" Bore 1990-84 14					
VIN Codes "R" 1984-87, "S" 1985-91 (H.O.), "X" 1985-94 (cont.)					
VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	84	KC-788	Hyd.; Incl. (1) CS-788, (8) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-86	KCT-788	VIN Code "X"; Hyd.; Incl. (1) CS-788, (8) HT-900, (1) KT3-505S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	85	KCT-788	VIN Codes "R" & "X"; Hyd.; Incl. (1) CS-788, (8) HT-900, (1) KT3-505S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	84	KCT-788	Hyd.; Incl. (1) CS-788, (8) HT-900, (1) KT3-505S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	90-84	RP-3245	8.8780" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	90-84	R-948	Incl. arm & pivot
	8	Arm Assy., Bulk	90-84	R-948B	Incl. arm & pivot; Carton of 32
	8	Bolt	90-84	MR-1916	
	8	Pivot	90-84	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-84	V-3943 Std-15	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.7920" O.A.L.
	4	Exhaust, Bulk	90-84	V-3943B15 15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3564" Stem Dia., 4.7920" O.A.L.
	4	Intake	90-88	V-2456 Std-15	Chrome plated stem; 1.7323" Head Dia., .3415" Stem Dia., 4.7854" O.A.L.
	4	Intake	87-84	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
	4	Intake, Bulk	90-88	V-2456B15 15	Chrome plated stem; Carton of 25; 1.7323" Head Dia., .3565" Stem Dia., 4.7854" O.A.L.
	4	Intake, Bulk	87-84	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-84	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-84	VS-1460	1.8300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	90-84	ST-2003	Exh.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber
	4	Valve Stem Seal	90-84	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber
	4	Valve Stem Seal Bulk	90-84	ST-2003BC	Exh.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-84	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.	90-84	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	4	Int.	90-84	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-84	VK-205	4 groove
	16	Keeper	90-84	VK-205R	4 groove; Hardened
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-84	489P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9122" Pin Dia., Flat Head - 9.0:1 C.R.
	4	Cast Piston - Individual	90-84	W489P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9122" Pin Dia., Flat Head - 9.0:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-84	E-465K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	90-84	E-465X Std-20-30-40	2-5/64, 1-3/16
	4	Premium Single Cylinder Set	90-84	WE-465K Std-20-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-84	5130M Std-10-20-30	
	1	Rod Set	90-86	4-1035CP Std-10-20-30	
	1	Rod Set	85-84	4-2380CP Std Only	
	4	Rod Pair	90-86	1035CP Std-10-20-30	
	4	Rod Pair	85-84	2380CP Std-1-10-20-30-40	
	1	Cam Set	90-84	1494M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-84	224-41100	
1	Inter. Shaft	90-84	224-61120		
1	Screen Assy.	87-84	224-11100		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-89	260-1437	Premium valve stem seals incl.	

(continued on next page)

Ford Car

14 2.3L 140 OHV L4 (HSC), 3.679" Bore 1990-84

(cont.) VIN Codes "R" 1984-87, "S" 1985-91 (H.O.), "X" 1985-94

QTY	GASKETS (cont.)		YEARS	PART NO.	DESCRIPTION
	Kit Gasket Set		88	260-1436	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
QTY	FREEZE PLUGS		YEARS	PART NO.	DESCRIPTION
	Brass Block Plug Kit		90-84	381-8063	
YEARS	RE-RING KIT				
	DESCRIPTION				
90-89	Premium valve stem seals incl.		Re-ring		
			Re-ring w/Mains		
88	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Re-ring		
			Re-ring w/Mains		
87-86	w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring		
			Re-ring w/Mains		
85	w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring		
			Re-ring w/Mains		
YEARS	OVERHAUL KIT				
	DESCRIPTION				
90-89	VIN Code "X"; Premium valve stem seals incl.; Freeze plugs not incl.		Master		
			Master w/o Pistons		
			Master w/o Rods & Mains		
90-89	Premium valve stem seals incl.		Block w/Pump & Freeze Plugs		
			Block		
90-89	VIN Code "X"; Premium valve stem seals incl.		Master		
90-89	VIN Code "X"; Premium valve stem seals incl.		Master		
			Master w/o Pistons		
			Master w/o Rods & Mains		
88	VIN Code "X"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Master		
			Master w/o Pistons		
			Master w/o Rods & Mains		
87-86	VIN Code "X"; w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Freeze plugs not incl.		Master		
			Master w/o Pistons		
			Master w/o Rods & Mains		
87-86	VIN Code "X"; w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master w/o Pistons		
85	VIN Codes "R" & "X"; w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master		
			Master w/o Pistons		
85	VIN Codes "R" & "X"; w/Alum. valve cover; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Freeze plugs not incl.		Master w/o Rods & Mains		

15 2.4L 144 OHV L6, 3.5" Bore 1964-60

VIN Codes "D" 1960-62, "S" 1960-64

QTY	TIMING		YEARS	PART NO.	DESCRIPTION
	3 Piece Set		64-60	KT3-351S	Incl. (1) 222-351, (1) 223-308, (1) 223-397
QTY	CAMSHAFT/LIFTER		YEARS	PART NO.	DESCRIPTION
	Camshaft		64-63	CS-448	Hyd.
1	Camshaft		63	CS-261	w/o Zero lash rocker arms; 14 teeth on dist. drive gear
1	Camshaft		62-60	CS-261	14 teeth on dist. drive gear
12	Lifter		64-63	HT-2083	Std Only
12	Lifter		62-60	AT-872	Std Only
12	Lifter, Bulk		64-63	HT-2083B	Std Only
12	Lifter, Bulk		62-60	AT-872B	Std Only
1	Prelube		64-60	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT		YEARS	PART NO.	DESCRIPTION
	Cam/Lifter Kit		64-63	KC-448	Hyd.; Incl. (1) CS-448, (12) HT-2083, (1) 55-403B
1	Cam/Lifter Kit		62-60	KC-261	Mech.; 14 teeth on dist. drive gear; Incl. (12) AT-872, (1) CS-261, (1) 55-403B

(continued on next page)

Ford Car

2.4L 144 OHV L6, 3.5" Bore 1964-60 15
VIN Codes "D" 1960-62, "S" 1960-64 (cont.)

V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Push Rod	64-60	RP-3076	Std. length; 8.2300" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm	64-60	R-810	Adj.	
	1	Rocker Shaft	64-60	RS-619		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	64-60	V-1439 Std Only	1.2660" Head Dia., .3100" Stem Dia., 4.2600" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	64-60	VG-5009	.3120" ID, 1.8800" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
B L O C K	12	Spring	64-63	VS-624	w/o Rotocaps; 1.8280" Free Height	B L O C K
	12	Spring	62-60	VS-562	w/o Rotocaps; 2.0000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	64-60	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	12	Valve Stem Seal	64-60	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem	
	12	Valve Stem Seal Bulk	64-60	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	12	Valve Stem Seal Bulk	64-60	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	64-60	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth	
	6	Int.	64-60	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
B L O C K	6	Int.	64-60	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	B L O C K
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	24	Keeper	64-60	VK-144	1 groove; Square cut key groove	
	24	Keeper	64-60	VK-144R	1 groove; Square cut key groove; Hardened	
	24	Keeper, Bulk	64-60	VK-144B	1 groove; Square cut key groove; Carton of 1000	
	12	Spring Insert	64-60	259-102C	.015"; Carton of 100	
	12	Spring Insert	64-60	259-102B	.030"; Carton of 100	
	12	Spring Insert	64-60	259-102A	.060"; Carton of 100	
	12	Spring Insert	64-60	259-102ARS	.060"; Carton of 500	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Premium Set	64-60	E-197K Std-20-30-40-60	2-5/64, 1-3/16	B L O C K
	1	Standard Set	64-60	E-197X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	64-60	WE-197K Std-20-30-40	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	64-60	WE-197X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	64-60	4222M Std-10-20		
	1	Rod Set	64-60	6-2380CP Std-1-10-20-30-40		
	6	Rod Pair	64-60	2380CP Std-1-10-20-30-40		
	1	Cam Set	64-60	1439M Std Only		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Kit Gasket Set	64-60	260-1002	Premium valve stem seals incl.	B L O C K
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	64-60	381-8013		
	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	64-60	Premium valve stem seals incl.		Re-ring	205-605	205-105
	2.4L 149 (2443cc) SOHC Turbo-Diesel L6 (12 Valve), 80mm Bore (BMW Eng.) 1984 16					
	VIN Code "L" 1984-85, Eng. Code "M21D24" 1984-85					
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	84	381-8013		

2.5L 153 OHV L4 (HSC), 3.679" Bore 1990-86 17
VIN Codes "D" 1986-90, "N" 1991

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-86	KT3-505S	Incl. (1) 222-505, (1) 223-617, (1) 223-618
1	Timing Chain	90-86	222-505	46 Links
1	Timing Chain Tensioner	90-86	222-127CT	
1	Crank Sprocket	90-86	223-617	18 Teeth
1	Cam Sprocket	90-86	223-618	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-86	CS-788	
8	Lifter	90-86	HT-900 Std Only	Hyd.
8	Lifter, Bulk	90-86	HT-900B Std Only	Hyd.; Carton of 122

(continued on next page)

Ford Car

17 2.5L 153 OHV L4 (HSC), 3.679" Bore 1990-86

(cont.) VIN Codes "D" 1986-90, "N" 1991

VALVE TRAIN	QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-86	KC-788	Hyd.; Incl. (1) CS-788, (8) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-86	KCT-788	Hyd.; Incl. (1) CS-788, (8) HT-900, (1) KT3-505S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	90-86	RP-3280	9.6500" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	90-86	R-948	Incl. arm & pivot
	8	Arm Assy., Bulk	90-86	R-948B	Incl. arm & pivot; Carton of 32
	8	Pivot	90-86	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-86	V-3943 Std-15	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.7920" O.A.L.
	4	Exhaust, Bulk	90-86	V-3943B15 15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3564" Stem Dia., 4.7920" O.A.L.
	4	Intake	90-86	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
	4	Intake, Bulk	90-86	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	90-86	VG-1372	Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	90-86	VS-1460	1.8300" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
4	Valve Stem Seal	90-86	ST-2003	Exh.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber	
4	Valve Stem Seal	90-86	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber	
4	Valve Stem Seal Bulk	90-86	ST-2003BC	Exh.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	90-86	245-1562-36 Std Only	1.5670" OD, 1.3125" ID, .1860" Depth	
4	Int.	90-86	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	90-86	VK-205	4 groove	
16	Keeper	90-86	VK-205R	4 groove; Hardened	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-465K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	90-86	E-465X Std-20-30-40	2-5/64, 1-3/16
	4	Premium Single Cylinder Set	90-86	WE-465K Std-20-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-86	5130M Std-10-20-30	
	1	Rod Set	90-86	4-1035CP Std-10-20-30	
	4	Rod Pair	90-86	1035CP Std-10-20-30	
1	Cam Set	90-86	1494M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	90-86	224-41100		
1	Inter. Shaft	90-86	224-61120		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	88-86	260-1438	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-86	381-8063		
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	88	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6108 205-6108M	205-1108 205-1108M
	87-86	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6108 205-6108M	205-1108 205-1108M
OVERHAUL KIT					
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
88	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-6108A	MK-1108A	

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Ford Car

2.5L 153 OHV L4 (HSC), 3.679" Bore 1990-86 17				
VIN Codes "D" 1986-90, "N" 1991 (cont.)				
OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION		MK-6108A	MK-1108A
87-86	PermaDry® molded rubber valve cover & oil pan gskts. Master w/o Pistons incl.; Premium valve stem seals incl.			
2.6L 155.6 (2551cc) OHV V6 (12 Valve), 90mm Bore 1973-72 18				
VIN Code "U" 1972-73				
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	12	Lifter	73-72	AT-872 Std Only
	12	Lifter, Bulk	73-72	AT-872B Std Only
	QTY	PUSH ROD	YEARS	PART NO.
	12	Push Rod	72	RP-3233
	12	Push Rod, Bulk	72	BRP-3233
	QTY	VALVE	YEARS	PART NO.
	6	Exhaust	73-72	V-1992 Std Only
	QTY	VALVE SEAT	YEARS	PART NO.
	6	Exh.	73-72	245-1375-1 Std Only
	6	Int.	73-72	245-1687-2N Std Only
	6	Int.	73-72	245-1687-2 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	12	Keeper	73-72	VK-204
	12	Keeper	73-72	VK-144
	12	Keeper	73-72	VK-144R
	12	Keeper, Bulk	73-72	VK-144B
	12	Spring Insert	73-72	259-102C
	12	Spring Insert	73-72	259-102B
	12	Spring Insert	73-72	259-102A
	12	Spring Insert	73-72	259-102ARS
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	73-72	6101MA Std-10-20-30
	1	Rod Set	73-72	6-3055CP Std-10-20-30
	1	Rod Set	73-72	6-3055CP10X2 10X2-20X2
	6	Rod Pair	73-72	3055CP Std-10-20-30
	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump	73-72	224-41163
	1	Oil Pump	73-72	224-41163V
	1	Inter. Shaft	73-72	224-61163
2.8L 170 OHV L6, 3.5" Bore 1972-60 19				
VIN Code "U" 1960-72				
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.
	1	3 Piece Set	72-61	KT3-351S
	1	Timing Chain	72-61	222-351
	1	Crank Sprocket	72-61	223-397
	1	Cam Sprocket	72-61	223-308
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	1	Camshaft	72-63	CS-448
	1	Camshaft	62-61	CS-261
	12	Lifter	72-63	HT-2083 Std Only
	12	Lifter	62-61	AT-872 Std Only
	12	Lifter, Bulk	72-63	HT-2083B Std Only
	12	Lifter, Bulk	62-61	AT-872B Std Only
	1	Prelube	72-61	55-400
	QTY	CAM KIT	YEARS	PART NO.
	1	Cam/Lifter Kit	72-63	KC-448
	1	Cam/Lifter Kit	62-61	KC-261
	QTY	PUSH ROD	YEARS	PART NO.
	12	Push Rod	72-65	RP-3176A
	12	Push Rod	72-65	RP-3176B
	12	Push Rod	72-65	RP-3176
	12	Push Rod	64-61	RP-3076
	12	Push Rod, Bulk	72-65	BRP-3176
	QTY	ROCKER PARTS	YEARS	PART NO.
	12	Arm	72-61	R-810
	1	Rocker Shaft	72-61	RS-619

(continued on next page)

Ford Car

19 2.8L 170 OHV L6, 3.5" Bore 1972-60

(cont.) VIN Code "U" 1960-72

V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N	
	6	Exhaust	72-65	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.		
	6	Exhaust	64-61	V-1439 Std Only	1.2660" Head Dia., .3100" Stem Dia., 4.2600" O.A.L.		
	6	Intake	72-65	V-1717 Std Only	w/o Chrome plated stem; 1.6555" Head Dia., .3102" Stem Dia., 4.2638" O.A.L.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	24	Guide	72-61	VG-5009	.3120" ID, 1.8800" O.A.L.		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	12	Spring	72-63	VS-624	1.8280" Free Height		
	12	Spring	62-61	VS-562	2.0000" Free Height		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
12	Valve Stem Seal	72-61	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE			
12	Valve Stem Seal	72-61	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem			
12	Valve Stem Seal Bulk	72-61	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE			
12	Valve Stem Seal Bulk	72-61	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber			
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION			
6	Exh.	72-65	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth			
6	Exh.	72-65	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth			
6	Int.	72-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth			
6	Int.	72-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth			
6	Exh.	64-61	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth			
6	Int.	64-61	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth			
6	Int.	64-61	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
24	Keeper	72-61	VK-144	1 groove; Square cut key groove			
24	Keeper	72-61	VK-144R	1 groove; Square cut key groove; Hardened			
24	Keeper, Bulk	72-61	VK-144B	1 groove; Square cut key groove; Carton of 1000			
12	Spring Insert	72-61	259-102C	.015"; Carton of 100			
12	Spring Insert	72-61	259-102B	.030"; Carton of 100			
12	Spring Insert	72-61	259-102A	.060"; Carton of 100			
12	Spring Insert	72-61	259-102ARS	.060"; Carton of 500			
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K	
	6	Cast Piston	72-63	302NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9122" Pin Dia., Flat Head - 8.5:1 C.R.		
	6	Cast Piston - Individual	72-63	W302NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9122" Pin Dia., Flat Head - 8.5:1 C.R.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	72-61	E-197K Std-20-30-40-60	2-5/64, 1-3/16		
	1	Standard Set	72-61	E-197X Std-20-30-40-60	2-5/64, 1-3/16		
	6	Premium Single Cylinder Set	72-61	WE-197K Std-20-30-40	2-5/64, 1-3/16		
	6	Standard Single Cylinder Set	72-61	WE-197X Std-20-30-40-60	2-5/64, 1-3/16		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	72-63	4222M Std-10-20			
1	Rod Set	72-63	6-2380CP Std-1-10-20-30-40				
6	Rod Pair	72-63	2380CP Std-1-10-20-30-40				
1	Cam Set	72-63	1439M Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	72-65	224-41146				
1	Inter. Shaft	72-65	224-61120				
1	Screen Assy.	72-65	224-11146				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	72-60	260-1002	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	72-61	381-8013				
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION		Re-ring	205-605	205-105	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION		Master Master w/o Pistons	MKP-605G MK-605G	MKP-105G MK-105G	

Ford Car

2.8L 171 (2792cc) OHV V6 (12 Valve), 93mm Bore 1979-74 **20**

VIN Code "Z" 1974-79

QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Gear Set	79-74	221-2760SA		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter	79-74	AT-872 Std Only	Mech.	
12	Lifter, Bulk	79-74	AT-872B Std Only	Mech.; Carton of 122	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12	Push Rod	79-74	RP-3233	5.4290" O.A.L.	
12	Push Rod, Bulk	79-74	BRP-3233	Carton of 100; 5.4290" O.A.L.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust	79-74	V-1992 Std Only	Chrome plated stem; 1.2690" Head Dia., .3154" Stem Dia., 4.1620" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	79-74	VG-5016	.3175" ID, 2.0000" O.A.L.	
12	Guide	79-74	VG-5016T	Threaded; .3175" ID, 2.0000" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	79-74	MV-1828C	Positive type; Polyacrylate	
12	Valve Stem Seal Bulk	79-74	MV-1828	Positive type; Carton of 50; Polyacrylate	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Exh.	79-74	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth	
6	Int.	79-74	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth	
6	Int.	79-74	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
12	Keeper	79-74	VK-204	Exh.; 3 groove; w/.3125 Stem Dia.	
12	Keeper	79-74	VK-144	Int.; 1 groove; Square cut key groove	
12	Keeper	79-74	VK-144R	Int.; 1 groove; Square cut key groove; Hardened	
12	Keeper, Bulk	79-74	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000	
12	Spring Insert	79-74	259-102C	.015"; Carton of 100	
12	Spring Insert	79-74	259-102B	.030"; Carton of 100	
12	Spring Insert	79-74	259-102A	.060"; Carton of 100	
12	Spring Insert	79-74	259-102ARS	.060"; Carton of 500	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	79-74	433NP Std-20-30-40-60	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.511" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R.	
6	Cast Piston - Individual	79-74	W433NP Std-20-30-40-60	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.511" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	79-74	E-351KC Std-.50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
1	Standard Set	79-74	E-351X Std-.50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
6	Premium Single Cylinder Set	79-74	WE-351KC Std-.50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
6	Standard Single Cylinder Set	79-74	WE-351X Std-.50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	74	7269MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.	
1	Main Set	74	6101MA Std-10-20-30	To 4/74; w/flanged brg.; A-Series aluminum bearings; Flanged brg.	
1	Rod Set	79-74	6-3055CP Std-10-20-30	Use in .002" O/S Rod Bore	
1	Rod Set	79-74	6-3055CP10X2 10X2-20X2		
6	Rod Pair	79-74	3055CP Std-10-20-30		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	79-74	224-41163		
1	Oil Pump	79-74	224-41163V	High Volume, check pan for clearance	
1	Inter. Shaft	79-74	224-61163		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	79-75	260-1127	Premium valve stem seals incl.	
1	Kit Gasket Set	74	260-1127	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	79-74	381-8030		
RE-RING KIT					
YEARS	DESCRIPTION				
79-75	Premium valve stem seals incl.		Re-ring	PREMIUM KIT NO. 205-652	ECONOMY KIT NO. 205-152
74	Int. manifold gskt. not incl.; Premium valve stem seals incl.		Re-ring	205-652	205-152

Ford Car

21 2.9L 177 (2935cc) OHV V6 (12 Valve), 93mm Bore 1990-88 VIN Code "V" 1988-90

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	89-88	KT3-60S	Incl. (1) 222-3SR60X, (1) 223-650, (1) 223-651
	1	Timing Chain	89-88	222-3SR60X	60 Links
	1	Timing Chain Tensioner	89-88	222-157CT	
	1	Timing Chain Guide	89-88	222-187GP	
	1	Crank Sprocket	89-88	223-651	19 Teeth
	1	Cam Sprocket	89-88	223-650	38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	89-88	HT-2083 Std Only	Hyd.
	12	Lifter, Bulk	89-88	HT-2083B Std Only	Hyd.; Carton of 122
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	89-88	RP-3233	5.4290" O.A.L.
	12	Push Rod, Bulk	89-88	BRP-3233	Carton of 100; 5.4290" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	89-88	R-1093	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	89-88	V-2553 Std-15	Chrome plated stem; 1.4170" Head Dia., .3153" Stem Dia., 4.1350" O.A.L.
	6	Exhaust, Bulk	89-88	V-2553B Std-15	Chrome plated stem; Carton of 25; 1.4170" Head Dia., .3153" Stem Dia., 4.1350" O.A.L.
	6	Intake	89-88	V-2554 Std-15	Chrome plated stem; 1.6530" Head Dia., .3160" Stem Dia., 4.1340" O.A.L.
	6	Intake, Bulk	89-88	V-2554B Std-15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3160" Stem Dia., 4.1340" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	89-88	VG-5016	Exh. & Int.; .3175" ID, 2.0000" O.A.L.
	12	Guide	89-88	VG-5016T	Exh. & Int.; Threaded; .3175" ID, 2.0000" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	89-88	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	89-88	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	89-88	VK-204	Exh.; 3 groove; w/.3125 Stem Dia.
	12	Keeper	89-88	VK-144	Int.; 1 groove; Square cut key groove
	12	Keeper	89-88	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
BLOCK	12	Keeper, Bulk	89-88	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	89-88	520P Std-.50-.75-1.00-1.50MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
	6	Cast Piston - Individual	89-88	W520P Std-.50-.75-1.00-1.50MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
	1	Cast Piston Set w/Prem. Rings	89-88	6K520P.75MM .75-1.00MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-88	E-481K Std-.50-.75-1.00-1.50MM	1-1.60MM, 1-1.75MM, 1-3.50MM
	1	Standard Set	89-88	E-481X Std-.50-.75-1.00-1.50MM	1-1.60MM, 1-1.75MM, 1-3.50MM
	6	Premium Single Cylinder Set	89-88	WE-481K Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM
	6	Standard Single Cylinder Set	89-88	WE-481X Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	7269MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1	Main Set	90-88	6101MA Std-10-20-30	A-Series aluminum bearings; Flanged brg.
	1	Rod Set	90-88	6-3055CP Std-10-20-30	
	1	Rod Set	90-88	6-3055CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	6	Rod Pair	90-88	3055CP Std-10-20-30	
	1	Cam Set	90-88	1838M Std Only	Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	89-88	224-43431	
	1	Inter. Shaft	89-88	224-14274	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	89-88	260-1220	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Head Bolt Set	89-88	260-2509	Replacement recommended

(continued on next page)

Ford Car

2.9L 177 (2935cc) OHV V6 (12 Valve), 93mm Bore 1990-88 21						
VIN Code "V" 1988-90 (cont.)						
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	89-88	381-8064			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-88	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring	205-898	205-398
	89-88	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flange thrust brg. incl.		Re-ring w/Mains	205-898M	205-398M
3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86 22						
VIN Codes "U" 1986-2007, "1" 1993-98 (Flex Fuel), "2" 1996-2007 (Flex Fuel)						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	3 Piece Set	90-86	KT3-374S	Incl. (1) 222-374, (1) 223-636, (1) 223-649		
1	Timing Chain	90-86	222-374	62 Links		
1	Crank Sprocket	90-86	223-649	19 Teeth		
1	Cam Sprocket	90-86	223-636	38 Teeth		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft	90-86	CS-787			
12	Lifter	90-86	HT-900 Std Only	Hyd.		
12	Lifter, Bulk	90-86	HT-900B Std Only	Hyd.; Carton of 122		
1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
1	Cam/Lifter Kit	90-86	KC-787	Hyd.; Incl. (1) CS-787, (12) HT-900, (1) 55-403B		
1	Cam/Lifter/Timing Kit	90-86	KCT-787	Hyd.; Incl. (1) CS-787, (12) HT-900, (1) KT3-374S, (1) 55-403B		
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
12	Push Rod	90-86	RP-3281	5.9600" O.A.L.		
12	Push Rod, Bulk	90-86	BRP-3281	Carton of 100; 5.9600" O.A.L.		
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
12	Arm Assy.	90-86	R-1007	Incl. arm & pivot		
12	Pivot	90-86	MR-1881			
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
6	Exhaust	90-86	V-3957 Std-15	Chrome plated stem; 1.3710" Head Dia., .3125" Stem Dia., 4.6150" O.A.L.		
6	Exhaust, Bulk	90-86	V-3957B15 15	Chrome plated stem; Carton of 25; 1.3710" Head Dia., .3275" Stem Dia., 4.6150" O.A.L.		
6	Intake	90-86	V-2448 Std-15	Chrome plated stem; 1.6610" Head Dia., .3130" Stem Dia., 4.6150" O.A.L.		
6	Intake, Bulk	90-86	V-2448B15 15	Chrome plated stem; Carton of 25; 1.6610" Head Dia., .3280" Stem Dia., 4.6150" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
12	Guide	90-86	VG-5085T	.3150" ID, 2.2000" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
12	Spring	90-86	VS-1462	1.8400" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
6	Valve Stem Seal	90-86	ST-2103	Exh.; Positive type; Rubber		
6	Valve Stem Seal	90-86	ST-2102	Int.; Positive type; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
6	Exh.	90-86	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth		
6	Exh.	90-86	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth		
6	Int.	90-86	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
24	Keeper	90-86	VK-204	3 groove; w/.3125 Stem Dia.		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
6	Cast Piston	90-86	H497P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.		
6	Cast Piston - Individual	90-86	WH497P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.		
1	Cast Piston Set w/Prem. Rings	90-86	6KH497P.50MM .50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	90-86	E-446K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		
1	Premium Set	90-86	E-446KC Std-.50-.75MM	2-1.50MM, 1-4.00MM		
1	Standard Set	90-86	E-446X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		
6	Premium Single Cylinder Set	90-86	WE-446K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		
6	Standard Single Cylinder Set	90-86	WE-446X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		

(continued on next page)

Ford Car

22 3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86
 (cont.) VIN Codes "U" 1986-2007, "1" 1993-98 (Flex Fuel), "2" 1996-2007 (Flex Fuel)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	90-86	7011MA Std-.25-.50MM	A-Series aluminum bearings	
	1	Rod Set	90-86	6-1220RA Std-.25-.50MM	A-Series aluminum bearings	
	1	Rod Pair	90-86	1220RA Std-.25-.50MM	A-Series aluminum bearings	
	1	Cam Set	90-86	1843M Std Only	Full round design	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	90-86	224-41101		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Kit Gasket Set	90	260-1210	To 3/26/90; Exc. Probe; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	BLOCK
	1	Kit Gasket Set	89-86	260-1210	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	90-86	260-2515	Replacement recommended	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	90-86	381-8072		
KITS	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	To 3/26/90; Exc. Probe; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6110 205-6110M	205-1110 205-1110M
	89-86	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6110 205-6110M	205-1110 205-1110M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	To 3/26/90; Exc. Probe; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6110A MK-6110A	MKP-1110A MK-1110A
	90	To 3/26/90; Exc. Probe; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6110A	----
	90	To 3/26/90; Exc. Probe; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		----	505-1110B
	90	To 3/26/90; Exc. Probe; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6125	----
	90	To 3/26/90; Exc. Probe; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6125	----
	89	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6110A MK-6110A	MKP-1110A MK-1110A
	89	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6110A	----
	89	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		----	505-1110B
	89-86	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6125	----
	89-86	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6125	----
	88-86	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6110A MK-6110A	MKP-1110A MK-1110A
	88-86	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6110A	----
	88-86	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		----	505-1110B

Ford Car

3.0L 183 (2982cc) DOHC V6 (24 Valve), 89mm Bore (Yamaha Eng.) 1990-89 23				
VIN Code "Y" 1989-95 (SHO)				
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
12	Exhaust	90-89	V-4504X Std Only	Chrome plated stem; 1.1800" Head Dia., .2350" Stem Dia., 3.8160" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Int.	90-89	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Head Bolt Set	90-89	260-2528	Replacement recommended
3.3L 200 OHV L6, 3.68" Bore 1983-63 24				
VIN Codes "B" 1980-82, "T" 1963-79, "X" 1983				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	83-63	KT3-351S	Incl. (1) 222-351, (1) 223-308, (1) 223-397
1	Timing Chain	83-63	222-351	50 Links
1	Crank Sprocket	83-63	223-397	19 Teeth
1	Cam Sprocket	83-63	223-308	38 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	83-73	CS-658	Hyd.
1	Camshaft	72-63	CS-448	Hyd.
12	Lifter	83-63	HT-2083 Std Only	Hyd.; Carton of 122
12	Lifter, Bulk	83-63	HT-2083B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	83-63	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	83-73	KC-658	Hyd.; Incl. (1) CS-658, (12) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	72-63	KC-448	Hyd.; Incl. (1) CS-448, (12) HT-2083, (1) 55-403B
1	Cam/Lifter/Timing Kit	83-73	KCT-658	Hyd.; Incl. (1) CS-658, (12) HT-2083, (1) KT3-351S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	83-77	RP-3176A	W/Non-adj. rocker arms; +1/16" longer length; 8.4100" O.A.L.
12	Push Rod	83-77	RP-3176B	W/Non-adj. rocker arms; -1/16" shorter length; 8.2900" O.A.L.
12	Push Rod	83-77	RP-3176	W/Non-adj. rocker arms; Std. length; 8.3500" O.A.L.
12	Push Rod	76-63	RP-3076	w/adj. rocker arms; Std. length; 8.2300" O.A.L.
12	Push Rod	76-63	RP-3176A	W/Non-adj. rocker arms; +1/16" longer length; 8.4100" O.A.L.
12	Push Rod	76-63	RP-3176B	W/Non-adj. rocker arms; -1/16" shorter length; 8.2900" O.A.L.
12	Push Rod	76-63	RP-3176	W/Non-adj. rocker arms; Std. length; 8.3500" O.A.L.
12	Push Rod, Bulk	83-77	BRP-3176	W/Non-adj. rocker arms; Std. length; Carton of 100; 8.3500" O.A.L.
12	Push Rod, Bulk	76-63	BRP-3176	W/Non-adj. rocker arms; Std. length; Carton of 100; 8.3500" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm	83-63	R-810	Adj.
1	Rocker Shaft	83-63	RS-619	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	83-77	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.
6	Exhaust	76-73	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.
6	Exhaust	72-65	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.
6	Exhaust	64-63	V-1439 Std Only	1.2660" Head Dia., .3100" Stem Dia., 4.2600" O.A.L.
6	Intake	83-77	V-2073 Std Only	Chrome plated stem; 1.7510" Head Dia., .3103" Stem Dia., 4.2600" O.A.L.
6	Intake	72-65	V-1717 Std Only	w/o Chrome plated stem; 1.6555" Head Dia., .3102" Stem Dia., 4.2638" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
24	Guide	83-63	VG-5009	Exh. & Int.; .3120" ID, 1.8800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	83-63	VS-624	1.8280" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	83-63	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	83-63	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem
12	Valve Stem Seal Bulk	83-63	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
12	Valve Stem Seal Bulk	83-63	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber

(continued on next page)

Ford Car

24 3.3L 200 OHV L6, 3.68" Bore 1983-63
(cont.) VIN Codes "B" 1980-82, "T" 1963-79, "X" 1983

VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN	
	6	Exh.	83-77	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth		
	6	Exh.	83-77	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth		
	6	Int.	83-77	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth		
	6	Int.	83-77	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth		
	6	Exh.	76-65	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth		
	6	Exh.	76-65	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth		
	6	Int.	76-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth		
	6	Int.	76-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth		
	6	Exh.	64-63	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth		
6	Int.	64-63	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth			
6	Int.	64-63	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth			
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK	
	24	Keeper	83-63	VK-144	1 groove; Square cut key groove		
	24	Keeper	83-63	VK-144R	1 groove; Square cut key groove; Hardened		
	24	Keeper, Bulk	83-63	VK-144B	1 groove; Square cut key groove; Carton of 1000		
	12	Spring Insert	83-63	259-102C	.015"; Carton of 100		
	12	Spring Insert	83-63	259-102B	.030"; Carton of 100		
	12	Spring Insert	83-63	259-102A	.060"; Carton of 100		
	12	Spring Insert	83-63	259-102ARS	.060"; Carton of 500		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	6	Cast Piston	83-63	275NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.		
6	Cast Piston - Individual	83-63	W275NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.			
QTY	RINGS	YEARS	PART NO.	DESCRIPTION			
1	Premium Set	83-63	E-219K Std-20-30-40-60	2-5/64, 1-3/16			
1	Standard Set	83-63	E-219X Std-20-30-40-60	2-5/64, 1-3/16			
6	Premium Single Cylinder Set	83-63	WE-219K Std-20-30-40-60	2-5/64, 1-3/16			
6	Standard Single Cylinder Set	83-63	WE-219X Std-20-30-40-60	2-5/64, 1-3/16			
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
1	Main Set	83-76	5071M Std-1-10-20-30	7 partial groove brgs.			
1	Main Set	75	5071M Std-1-10-20-30	From 5/75; 7 partial groove brgs.			
1	Main Set	75	4290M Std-10-20-30	To 4/75; 7 full groove brgs.			
1	Main Set	75-64	4222M Std-10-20	W/4 brgs.			
1	Main Set	74-64	4290M Std-10-20-30	7 full groove brgs.			
1	Rod Set	83-63	6-2380CP Std-1-10-20-30-40				
6	Rod Pair	83-63	2380CP Std-1-10-20-30-40				
1	Cam Set	83-63	1439M Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	83-65	224-41146				
1	Inter. Shaft	83-65	224-61120				
1	Screen Assy.	77-65	224-11146				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	83-63	260-1002	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	83-63	381-8013				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	83-76	Premium valve stem seals incl.; Incl. 7 partial groove brgs.	Re-ring w/Mains		205-608AM	205-108AM	
	83-63	Premium valve stem seals incl.	Re-ring		205-608A	205-108A	
	75	To 4/75; Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Re-ring w/Mains		205-608M	205-108M	
	75	From 5/75; Premium valve stem seals incl.; Incl. 7 partial groove brgs.	Re-ring w/Mains		205-608AM	205-108AM	
	74-64	Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Re-ring w/Mains		205-608M	205-108M	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	83-76	Premium valve stem seals incl.	Master w/o Rods & Mains		505-608D	505-108D	
83-76	Premium valve stem seals incl.; Incl. 7 partial groove brgs.	Master Master w/o Pistons		MKP-608D MK-608D	MKP-108D MK-108D		
75	To 4/75; Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Master Master w/o Pistons		MKP-608C MK-608C	MKP-108C MK-108C		

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Ford Car

3.3L 200 OHV L6, 3.68" Bore 1983-63 24					
VIN Codes "B" 1980-82, "T" 1963-79, "X" 1983 (cont.)					
KITS	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	75	From 5/75; Premium valve stem seals incl.; Incl. 7 partial groove brgs.	Master Master w/o Pistons	MKP-608D MK-608D	MKP-108D MK-108D
	75	Premium valve stem seals incl.	Master w/o Rods & Mains	505-608D	505-108D
	74-73	Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Master Master w/o Pistons	MKP-608C MK-608C	MKP-108C MK-108C
	74-73	Premium valve stem seals incl.	Master w/o Rods & Mains	505-608D	505-108D
	72-65	Premium valve stem seals incl.	Master w/o Rods & Mains	505-608A	505-108A
	72-65	Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Master Master w/o Pistons	MKP-608A MK-608A	MKP-108A MK-108A
	3.3L 200 L-HEAD L4 (Models A & B), 3.875" Bore 1934-28 25				
BLOCK	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Intake	34-28	V-130 Std Only	Exh. & Int.; 1.5370" Head Dia., .3110" Stem Dia., 5.7240" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	34-28	VS-71	3.0000" Free Height
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh. & Int.	34-28	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh. & Int.	34-28	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
BLOCK	4	Cast Piston	34-28	145P Std-40-60-80-100	Cast; 2-1/8", 1-5/32" Ring Groove, 1.906" CD, 1.0030" Pin Dia., Flat Head 3 ring piston w/.003" oversized pin - 4.2:1 C.R.; Not factory duplicate
	4	Cast Piston - Individual	34-28	W145P Std-40-60-80-100	Cast; 2-1/8", 1-5/32" Ring Groove, 1.906" CD, 1.0030" Pin Dia., Flat Head 3 ring piston w/.003" oversized pin - 4.2:1 C.R.; Not factory duplicate
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	4	Repair Sleeve	34-28	SL-20Y Std Only	1/8" wall, must be cut to correct length
3.5L 215 OHV L6, 3.5625" Bore 1953-52 26					
VIN Code "A" 1952-53					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	53-52	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	53-52	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	53-52	223-249	Use w/silent type chain; 42 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	53-52	RP-3021	Replaces O.E. Nos. B9AE-6565G & B7Q-6565A; 9.8200" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	53-52	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	53-52	VG-5034	Cut to fit; .3430" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	6	Spring	53-52	VS-1575	Exh.; 2.1250" Free Height
	6	Spring, Bulk	53-52	VS-1575B	Exh.; Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Valve Stem Seal	53-52	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	53-52	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	53-52	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	53-52	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	53-52	VK-115	1 groove; Square cut key groove
	24	Keeper	53-52	VK-115R	1 groove; Square cut key groove; Hardened
VALVE TRAIN	24	Keeper, Bulk	53-52	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	53-52	E-237KC Std-20-30-40-60	2-3/32, 1-3/16
VALVE TRAIN	1	Standard Set	53-52	E-237X Std-20-30-40-60-80	2-3/32, 1-3/16
	6	Premium Single Cylinder Set	53-52	WE-237KC Std-20-30-40-60	2-3/32, 1-3/16
	6	Standard Single Cylinder Set	53-52	WE-237X Std-30-40-60-80	2-3/32, 1-3/16

(continued on next page)

Ford Car

26 3.5L 215 OHV L6, 3.5625" Bore 1953-52

(cont.) VIN Code "A" 1952-53

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	53-52	4056M Std-10-20-30	
6	Rod Pair	53-52	1830CP Std-1-2-10-20-30-40-50	1 oil hole
1	Cam Set	53-52	1133M Std Only	w/o cross-drilled cam journals

27 3.6L 221 OHV V8, 3.5" Bore 1963-62

VIN Code "L" 1962-63

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	63-62	KT3-356S	Incl. (1) 222-356, (1) 223-326, (1) 223-327
	1	Timing Chain	63-62	222-356	58 Links
	1	Crank Sprocket	63-62	223-327	21 Teeth
	1	Cam Sprocket	63-62	223-326	42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	63-62	HT-900 Std Only	Hyd.
	16	Lifter, Bulk	63-62	HT-900B Std Only	Hyd.; Carton of 122
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	63-62	RP-3222R	Chrome-Moly; 6.8040" O.A.L.
	16	Push Rod	63-62	RP-3165	6.8010" O.A.L.
	16	Push Rod, Bulk	63-62	BRP-3165	Carton of 100; 6.8010" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	63-62	R-836	Incl. arm, ball & nut; Flat style rockers
	16	Arm Assy., Bulk	63-62	R-836B	Incl. arm, ball & nut; Flat style rockers; Carton of 64
	16	Arm	63-62	R-836A	
	16	Pivot Ball	63-62	MR-1809	
	16	Nut	63-62	MR-1751	Self-locking, 3/8" x 24 threads
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	63-62	V-1613 Std Only	1.3880" Head Dia., .3095" Stem Dia., 4.8630" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	63-62	VS-1575	2.1250" Free Height
	16	Spring, Bulk	63-62	VS-1575B	Carton of 250; 2.1250" Free Height
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	63-62	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	63-62	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal Bulk	63-62	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	63-62	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	63-62	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	8	Exh.	63-62	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	8	Int.	63-62	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	63-62	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	63-62	VK-144	1 groove; Square cut key groove
	32	Keeper	63-62	VK-144R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	63-62	VK-144B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	63-62	259-102C	.015"; Carton of 100
	16	Spring Insert	63-62	259-102B	.030"; Carton of 100
	16	Spring Insert	63-62	259-102A	.060"; Carton of 100
	16	Spring Insert	63-62	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	63-62	1112P30 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9122" Pin Dia., Flat Head - 8.5:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	63-62	E-236K Std-30	2-5/64, 1-3/16
	1	Standard Set	63-62	E-236X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	63-62	WE-236K Std-30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	63-62	WE-236X Std-30-40	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	63-62	SL-15M Std Only	3/32" wall, Must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	63-62	7151M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	63-62	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
	1	Main Set	63-62	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.

(continued on next page)

Ford Car

3.6L 221 OHV V8, 3.5" Bore 1963-62 27
VIN Code "L" 1962-63 (cont.)

B L O C K	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	63-62	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Rod Set	63-62	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	63-62	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	1	Rod Set	63-62	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
	1	Rod Set	63-62	8-2600CA60 60	Unplated & resizeable
	8	Rod Pair	63-62	2600CP Std-1-2-10-20-30-40	
	8	Rod Pair	63-62	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	63-62	1204M Std-10	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	63-62	224-41118	
	1	Oil Pump	63-62	224-43370	High Pressure
	1	Oil Pump	63-62	224-41128	High Volume, check pan for clearance; Incl. inter. shaft
	1	Inter. Shaft	63-62	224-61118	
	1	Screen Assy.	63-62	224-11118	
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	63-62	381-8015	
	1	Steel Block Plug Kit	63-62	381-4010	

3.6L 221 L-HEAD V8 (Ford), 3.0625" Bore 1942-39 28

B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	42-39	9024XBS	.820" max. housing bore
	8	Pin Bushing	42-39	9024V	Split type bushing; .801" max. housing bore
	8	Pin Bushing	42-39	9024VA	Split type bushing; .8125" max. housing bore
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	42-39	533M Std-10-20-30	
	8	Rod Pair	42-39	9800CA Std-10-20-30	
	1	Cam Set	42-39	1005M Std Only	

3.6L 223 OHV L6, 3.625" Bore 1964-54 29
VIN Codes "A" 1954-61, "V" 1960-64

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	64-54	222-354	w/chain driven cam; Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	64-54	223-250	w/chain driven cam; Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	64-54	223-249	w/chain driven cam; Use w/silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	64-55	CS-559	w/o Zero lash rocker arms; Will replace cross drilled or non-cross drilled camshafts; 12 teeth on dist. drive gear
	1	Prelube	64-55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	64-54	RP-3021	9.8200" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	64-54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	6	Intake	64-54	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	64-54	VG-5034	Cut to fit; .3430" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	64-60	VS-1575	w/o Zero lash rocker arms; 2.1250" Free Height
	12	Spring	59-54	VS-1575	2.1250" Free Height
	12	Spring, Bulk	64-60	VS-1575B	w/o Zero lash rocker arms; Carton of 250; 2.1250" Free Height
	12	Spring, Bulk	59-54	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	64-54	MV-1903	Use w/repair guide; Positive type; Rubber
	12	Valve Stem Seal	64-54	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	64-54	MV-1599C	Umbrella type; Rubber
	12	Valve Stem Seal Bulk	64-54	MV-1599	Umbrella type; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	64-54	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	64-54	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth

(continued on next page)

Ford Car

29 3.6L 223 OHV L6, 3.625" Bore 1964-54

(cont.) VIN Codes "A" 1954-61, "V" 1960-64

QTY	VALVE SEAT (cont.)		YEARS	PART NO.	DESCRIPTION
	6	Exh.	64-54	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
QTY	VALVE, MISC		YEARS	PART NO.	DESCRIPTION
	6	Int.	64-54	245-1875-6 Std Only	1.8800" OD, 1.6250" ID, .2160" Depth
QTY	VALVE, MISC		YEARS	PART NO.	DESCRIPTION
	24	Keeper	64-54	VK-115	1 groove; Square cut key groove
	24	Keeper	64-54	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	64-54	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	64-54	259-102C	.015"; Carton of 100
	12	Spring Insert	64-54	259-102B	.030"; Carton of 100
	12	Spring Insert	64-54	259-102A	.060"; Carton of 100
QTY	PISTON		YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	64-54	1011P Std-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 1.858" CD, .9122" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Cast Piston - Individual	64-54	W1011P Std-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 1.858" CD, .9122" Pin Dia., Flat Head - 8.3:1 C.R.
QTY	RINGS		YEARS	PART NO.	DESCRIPTION
	1	Standard Set	64-54	E-156X Std-30-40-60	2-3/32, 1-3/16
	6	Standard Single Cylinder Set	64-54	WE-156X Std-60	2-3/32, 1-3/16
QTY	ENGINE BEARINGS		YEARS	PART NO.	DESCRIPTION
	1	Main Set	64-63	4056M Std-10-20-30	3 oil holes
	6	Rod Pair	64-63	2465CPB Std-10-20	w/o cross-drilled cam journals
QTY	OIL PUMP		YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	61-60	224-41105	To 11/30/60; 1/4" drive & roll pin shaft retainer
	1	Oil Pump	59-55	224-41105	1/4" drive & roll pin shaft retainer
QTY	OIL PUMP		YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	62	224-61104	To 7/17/62; For gear type oil pump
QTY	OIL PUMP		YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	61-55	224-61104	For gear type oil pump

30 3.7L 226 L-HEAD L6, 3.2969" Bore 1951-41

VIN Code "H" 1949-51

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	51-47	VG-406	.3435" ID, 2.9210" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	46	VS-393	Exh.; 2.4800" Free Height
6	Spring	42-41	VS-393	Exh.; 2.4800" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	51-47	VK-115	1 groove; Square cut key groove
24	Keeper	51-47	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper	46	VK-88	Valve guide retainer
24	Keeper	42-41	VK-88	Valve guide retainer
24	Keeper, Bulk	51-47	VK-115B	1 groove; Square cut key groove; Carton of 1000

31 3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82

VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-88	KT3-365SA1	Incl. (1) 222-376, (1) 223-539, (1) 223-700
1	3 Piece Set	87-82	KT3-365SA	Incl. (1) 222-365, (1) 223-539, (1) 223-542A
1	Timing Chain	90-88	222-376	60 Links
1	Timing Chain	87-82	222-365	60 Links
1	Timing Chain Tensioner	90	222-323CT	
1	Crank Sprocket	90-82	223-539	21 Teeth
1	Cam Sprocket	90-88	223-700	42 Teeth
1	Cam Sprocket	87-82	223-542A	42 Teeth
1	Bal. Shaft Sprocket	90	223-2769	Drive gear
1	Bal. Shaft Sprocket	90	223-2770	Driven gear
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-89	CS-860	w/A/T
1	Camshaft	88	CS-786	
1	Camshaft	87-84	CS-748	
1	Camshaft	83-82	CS-733	
12	Lifter	90-89	HT-2205 Std Only	Hyd. rlr.
12	Lifter	88-82	HT-900 Std Only	Hyd.
12	Lifter, Bulk	90-89	HT-2205B Std Only	Hyd. rlr.; Carton of 122
12	Lifter, Bulk	88-82	HT-900B Std Only	Hyd.; Carton of 122
1	Prelube	90-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

Ford Car

3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82 31
VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004 (cont.)

VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-860	w/A/T; Hyd. rlr.; Incl. (1) CS-860, (12) HT-2205, (1) 55-403B
	1	Cam/Lifter Kit	88	KC-786	Hyd.; Incl. (1) CS-786, (12) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	87-84	KC-748	Hyd.; Incl. (1) CS-748, (12) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	83-82	KC-733	Hyd.; Incl. (1) CS-733, (12) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	88	KCT-786	Hyd.; Incl. (1) CS-786, (12) HT-900, (1) KT3-365SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-84	KCT-748	Hyd.; Incl. (1) CS-748, (12) HT-900, (1) KT3-365SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	83-82	KCT-733	Hyd.; Incl. (1) CS-733, (12) HT-900, (1) KT3-365SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-89	RP-3284	7.1360" O.A.L.
VALVE TRAIN	12	Push Rod	88-82	RP-3234	7.7700" O.A.L.
	12	Push Rod, Bulk	90-89	BRP-3284	Carton of 100; 7.1360" O.A.L.
	12	Push Rod, Bulk	88-82	BRP-3234	Carton of 100; 7.7700" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-82	R-1008	Incl. arm & pivot
	12	Arm Assy., Bulk	90-82	R-1008B	Incl. arm & pivot; Carton of 64
	12	Arm	90-82	R-1008W	
	12	Bolt	90-82	MR-1916	
	12	Pivot	90-82	MR-1842	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	6	Exhaust	90-82	V-2231 Std-15	1.4600" Head Dia., .3414" Stem Dia., 4.8450" O.A.L.
	6	Exhaust, Bulk	90-82	V-2231B Std-15	Chrome plated stem; Carton of 25; 1.4600" Head Dia., .3414" Stem Dia., 4.8450" O.A.L.
	6	Intake	90-82	V-2232 Std-15	Chrome plated stem; 1.7820" Head Dia., .3419" Stem Dia., 4.8400" O.A.L.
	6	Intake, Bulk	90-82	V-2232B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 4.8400" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-82	VG-5005	.3430" ID, 2.2500" O.A.L.
	12	Guide	90-82	VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
	12	Guide	90-82	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	12	Guide, Bulk	90-82	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	12	Guide, Bulk	90-82	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-89	VS-1568	Incl. damper; 2.0200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-89	ST-2097	Exh.; Positive type; Rubber
	6	Valve Stem Seal	90-89	ST-2098	Int.; Positive type; Rubber
	6	Valve Stem Seal	88-82	ST-2110	Int.; Positive type
	6	Valve Stem Seal	88-82	MV-1819C	Exh.; Umbrella type; Nylon
	6	Valve Stem Seal Bulk	88-82	MV-1819	Exh.; Umbrella type; Carton of 50; Nylon
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-82	245-1625-54 Std Only	1.6320" OD, 1.3290" ID, .2800" Depth
BLOCK	6	Int.	90-82	245-1875-50 Std Only	1.8820" OD, 1.6400" ID, .2800" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-82	VK-205	4 groove
	24	Keeper	90-82	VK-205R	4 groove; Hardened
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-88	H523CP Std-.50-.75-1.00-1.50MM	Use w/E-471K or E-471X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, 23.2mm Pin Dia., Recessed Head .150" deep x 1.850" dia. - 9.0:1 C.R.; DurOshield® skirt coated piston
	6	Cast Piston	90-88	H523P Std-1.50MM	Use w/E-471K or E-471X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, 23.2mm Pin Dia., Recessed Head .150" deep x 1.850" dia. - 9.0:1 C.R.
	6	Cast Piston	87-84	490P.50MM .50-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .200" deep x 2.137" dia. - 8.6:1 C.R.
	6	Cast Piston	83-82	481P Std-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.584" CD, .9122" Pin Dia., Recessed Head .070" deep x 2.115" dia. - 8.6:1 C.R.
	6	Cast Piston - Individual	90-88	WH523CP Std-.50-.75-1.00-1.50MM	Use w/WE-471K ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .150" deep x 1.850" dia. - 9.0:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

Ford Car

31 3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82 (cont.) VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston - Individual	90-88	WH523P Std-1.50MM	Use w/WE-471K ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .150" deep x 1.850" dia. - 9.0:1 C.R.
	6	Cast Piston - Individual	87-84	W490P.50MM .50-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .200" deep x 2.137" dia. - 8.6:1 C.R.
	6	Cast Piston - Individual	83-82	W481P Std-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.584" CD, .9122" Pin Dia., Recessed Head .070" deep x 2.115" dia. - 8.6:1 C.R.
B L O C K	1	Cast Piston Set w/Prem. Rings	90-88	6KH523CP.50MM .50-.75-1.00MM	Cast; 1-1.50mm, 2-4.00mm Ring Groove, 1.607" CD, 23.2mm Pin Dia., Recessed Head .150" deep x 1.850" dia. - 9.0:1 C.R.; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-471K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	87-82	E-415K Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
B L O C K	1	Standard Set	90-88	E-471X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	87-82	E-415X Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-88	WE-471K Std-.50-.75-1.00MM	Use w/WH523CP piston; 2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	87-82	WE-415K Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
B L O C K	6	Standard Single Cylinder Set	87-82	WE-415X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7295MA Std-.026-.25-.50-.75-1.00MM	Regrinding crank more than .50mm not recommended; A-Series aluminum bearings
	1	Main Set	90-82	7368M.50MM .50MM	.50MM O/S length flange brg.
B L O C K	1	Main Set	88-82	7295MA Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	1	Rod Set	90-89	6-3830A.026MM * .026MM	A-Series aluminum bearings
	1	Rod Set	90-89	6-3830CPA Std-.25-.50-.75-1.00MM	Regrinding crank more than .50mm not recommended
	1	Rod Set	90-89	6-3830CPA25X2 25X2-50X2-75X2	Use in .002" O/S Rod Bore
B L O C K	1	Rod Set	88-82	6-3830CPA Std-.25-.50-.75-1.00MM	
	1	Rod Set	88-82	6-3830A.026MM * .026MM	A-Series aluminum bearings
	1	Rod Set	88-82	6-3830CPA25X2 25X2-50X2-75X2	Use in .002" O/S Rod Bore
	6	Rod Pair	90-89	3830A.026MM .026MM	A-Series aluminum bearings
B L O C K	6	Rod Pair	90-89	3830CPA Std-.25-.50-.75-1.00MM	Regrinding crank more than .50mm not recommended
	6	Rod Pair	88-82	3830CPA Std-.25-.50-.75-1.00MM	
	6	Rod Pair	88-82	3830A.026MM .026MM	A-Series aluminum bearings
	1	Cam Set	90-88	1886M Std Only	
B L O C K	1	Cam Set	87-82	1493M Std Only	
	1	Bal. Shaft Set	90-82	1807M	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-88	224-43567	
B L O C K	1	Pump Repair Kit	90-88	224-51380	Services "short" style pump
	1	Pump Repair Kit	87-82	224-51162	
	1	Inter. Shaft	90-88	224-6176	
	1	Inter. Shaft	87-82	224-61162	
B L O C K	1	Screen Assy.	90	224-15052	Continental
	1	Screen Assy.	89	224-15052	Continental, Sable & Taurus
	1	Screen Assy.	88	224-15052	Sable & Taurus
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Kit Gasket Set	90-89	260-1442	Exc. Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-89	260-1444	Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88	260-1441	Exc. Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88	260-1443	Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
B L O C K	1	Kit Gasket Set	87	260-1211	w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.

(continued on next page)

Ford Car

3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82 31
VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004 (cont.)

BLOCK	QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	86	260-1211	From 1/15/86; w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1167	To 1/15/86; w/Stamped steel valve covers; Premium valve stem seals incl.	
	1	Kit Gasket Set	85-84	260-1167	w/Stamped steel valve covers; Premium valve stem seals incl.	
	1	Kit Gasket Set	83-82	260-1166	w/Stamped steel valve covers; Premium valve stem seals incl.	
	1	Head Bolt Set	90-89	260-2519	Replacement recommended	
	1	Head Bolt Set	88-82	260-2511	Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-82	381-8053		
	1	Steel Block Plug Kit	90-82	381-9654		
KITS	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Exc. Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6112M	205-1112M
	90-89	Exc. Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6112	205-1112
	90-89	Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6114M	205-1114M
	90-89	Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6114	205-1114
	88	Exc. Sable, Taurus & Continental; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6111M	205-1111M
	88	Exc. Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6111	205-1111
	88	Sable, Taurus & Continental; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6113M	205-1113M
	88	Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6113	-----
	88	Sable, Taurus & Continental; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		-----	205-1113C
	87	w/Plastic valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-886M	205-386M
	87	w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-886	205-386
	86	To 1/15/86; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-758M	205-258M
	86	To 1/15/86; w/Stamped steel valve covers; Premium valve stem seals incl.	Re-ring		205-758	205-258
	86	From 1/15/86; w/Plastic valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-886M	205-386M
	86	From 1/15/86; w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-886	205-386
	85-84	w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-758M	205-258M
	85-84	w/Stamped steel valve covers; Premium valve stem seals incl.	Re-ring		205-758	205-258

(continued on next page)

Ford Car

31 3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82

(cont.) VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	83-82	w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-757M	205-257M	
	83-82	w/Stamped steel valve covers; Premium valve stem seals incl.	Re-ring	205-757	205-257	
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-89	Exc. Sable, Taurus & Continental; w/A/T; Incl. oil pump repair kit for "short" style pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6112B	505-1112B	
	90-89	Exc. Sable, Taurus & Continental; w/A/T; Regrinding crank more than .50mm not recommended; Incl. oil pump repair kit for "short" style pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6112B MK-6112B	MKP-1112B MK-1112B	
	90-89	Exc. Sable, Taurus & Continental; w/A/T; Incl. oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6112C	505-1112C	
	90-89	Exc. Sable, Taurus & Continental; w/A/T; Regrinding crank more than .50mm not recommended; Incl. oil pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6112C MK-6112C	MKP-1112C MK-1112C	
	90-89	Sable, Taurus & Continental; w/A/T; Incl. oil pump repair kit for "short" style pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6114B	505-1114B	
	90-89	Sable, Taurus & Continental; w/A/T; Regrinding crank more than .50mm not recommended; Incl. oil pump repair kit for "short" style pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6114B MK-6114B	MKP-1114B MK-1114B	
	90-89	Sable, Taurus & Continental; w/A/T; Incl. oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6114C	505-1114C	
	90-89	Sable, Taurus & Continental; w/A/T; Regrinding crank more than .50mm not recommended; Incl. oil pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6114C MK-6114C	MKP-1114C MK-1114C	
	90-89	Exc. Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6134	----	
	90-89	Exc. Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6134	----	
	90-89	Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6135	----	
	90-89	Sable, Taurus & Continental; Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6135	----	
	88	Exc. Sable, Taurus & Continental; Incl. oil pump repair kit for "short" style pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6111A MK-6111A	MKP-1111A MK-1111A	
	88	Exc. Sable, Taurus & Continental; Incl. oil pump repair kit for "short" style pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6111A	505-1111A	
	88	Exc. Sable, Taurus & Continental; Incl. oil pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6111C MK-6111C	MKP-1111C MK-1111C	

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Ford Car

3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1990-82 31
VIN Codes "C" 1982-85, "3" 1982-87, "4" 1987-2004 (cont.)

K I T S	OVERHAUL KIT (cont.)				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	88	Exc. Sable, Taurus & Continental; Incl. oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6111C	505-1111C
	88	Sable, Taurus & Continental; Incl. oil pump repair kit for "short" style pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6113B MK-6113B	MKP-1113B MK-1113B
	88	Sable, Taurus & Continental; Incl. oil pump repair kit for "short" style pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6113B	505-1113B
	88	Sable, Taurus & Continental; Incl. oil pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6113C MK-6113C	MKP-1113C MK-1113C
	88	Sable, Taurus & Continental; Incl. oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6113C	505-1113C
	87	w/Plastic valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Camshaft w/thrust washer	Master Master w/o Pistons	MKP-886A MK-886A	MKP-386A MK-386A
	87	w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Camshaft w/thrust washer	Master w/o Rods & Mains	505-886A	505-386A
	86	To 1/15/86; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Camshaft w/thrust washer	Master Master w/o Pistons	MKP-758A MK-758A	MKP-258A MK-258A
	86	To 1/15/86; w/Stamped steel valve covers; Premium valve stem seals incl.; Camshaft w/thrust washer	Master w/o Rods & Mains	505-758A	505-258A
	86	From 1/15/86; w/Plastic valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Camshaft w/thrust washer	Master Master w/o Pistons	MKP-886A MK-886A	MKP-386A MK-386A
	86	From 1/15/86; w/Plastic valve covers; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Camshaft w/thrust washer	Master w/o Rods & Mains	505-886A	505-386A
	85-84	w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Camshaft w/thrust washer	Master Master w/o Pistons	MKP-758A MK-758A	MKP-258A MK-258A
	85-84	w/Stamped steel valve covers; Premium valve stem seals incl.; Camshaft w/thrust washer	Master w/o Rods & Mains	505-758A	505-258A
	83-82	w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Camshaft w/o thrust washer	Master Master w/o Pistons	MKP-757A MK-757A	MKP-257A MK-257A
	83-82	w/Stamped steel valve covers; Premium valve stem seals incl.; Camshaft w/o thrust washer	Master w/o Rods & Mains	505-757A	505-257A

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3.8L 232 (3797cc) OHV V6 (Supercharged), 96.8mm Bore 1990-89 32
VIN Codes "C" 1989 (S/C), "R" 1989-95 (S/C)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-89	KT3-365SA1	Incl. (1) 222-376, (1) 223-539, (1) 223-700
1	Timing Chain	90-89	222-376	60 Links
1	Crank Sprocket	90-89	223-539	21 Teeth
1	Cam Sprocket	90-89	223-700	42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-89	CS-861	w/M/T
12	Lifter	90-89	HT-2205 Std Only	Hyd. rlr.
12	Lifter, Bulk	90-89	HT-2205B Std Only	Hyd. rlr.; Carton of 122
1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-89	KC-861	w/M/T; Hyd. rlr.; Incl. (1) CS-861, (12) HT-2205, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	90-89	RP-3284	7.1360" O.A.L.

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Ford Car

32 3.8L 232 (3797cc) OHV V6 (Supercharged), 96.8mm Bore 1990-89

(cont.) VIN Codes "C" 1989 (S/C), "R" 1989-95 (S/C)

VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-89	R-1008	Incl. arm & pivot
	12	Arm Assy., Bulk	90-89	R-1008B	Incl. arm & pivot; Carton of 64
	12	Arm	90-89	R-1008W	
	12	Bolt	90-89	MR-1916	
	12	Pivot	90-89	MR-1842	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-2231 Std-15	1.4600" Head Dia., .3414" Stem Dia., 4.8450" O.A.L.
	6	Intake	90-89	V-2232 Std-15	Chrome plated stem; 1.7820" Head Dia., .3419" Stem Dia., 4.8400" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
BLOCK	12	Guide	90-89	VG-5005	.3430" ID, 2.2500" O.A.L.
	12	Guide	90-89	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	12	Guide, Bulk	90-89	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	12	Guide, Bulk	90-89	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-89	VS-1568	Incl. damper; 2.0200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-89	ST-2097	Exh.; Positive type; Rubber
	6	Valve Stem Seal	90-89	ST-2098	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
BLOCK	6		90-89	245-1625-54 Std Only	1.6320" OD, 1.3290" ID, .2800" Depth
	6	Int.	90-89	245-1875-50 Std Only	1.8820" OD, 1.6400" ID, .2800" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-89	VK-205	4 groove
	24	Keeper	90-89	VK-205R	4 groove; Hardened
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-89	H675CP Std-.50-.75-1.00MM	Use w/E-471K ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .170" deep; DurOshield® skirt coated piston
	6	Cast Piston - Individual	90-89	WH675CP Std-.50-.75-1.00MM	Use w/WE-471K ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.607" CD, .9122" Pin Dia., Recessed Head .170" deep; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-471K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
BLOCK	6	Premium Single Cylinder Set	90-89	WE-471K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7086MA Std-.25MM	A-Series aluminum bearings
	1	Rod Set	90-89	6-3830CPA Std-.25-.50-.75-1.00MM	Regrinding crank more than .50mm not recommended
	1	Rod Set	90-89	6-3830CPA25X2 25X2-50X2-75X2	Use in .002" O/S Rod Bore
	6	Rod Pair	90-89	3830CPA Std-.25-.50-.75-1.00MM	Regrinding crank more than .50mm not recommended
	1	Cam Set	90-89	1886M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-89	224-43567	
	1	Pump Repair Kit	90-89	224-51380	Services "short" style pump
BLOCK	1	Inter. Shaft	90-89	224-6176	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1612	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	89	260-1612	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	2	Head Bolt Set	90-89	260-2519	Replacement recommended
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-89	381-8053	
	1	Steel Block Plug Kit	90-89	381-9654	
	RE-RING KIT				
	YEARS	DESCRIPTION			
BLOCK	90	Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	PREMIUM KIT NO. 205-6339M	ECONOMY KIT NO. -----

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Ford Car

3.8L 232 (3797cc) OHV V6 (Supercharged), 96.8mm Bore 1990-89 **32**

VIN Codes "C" 1989 (S/C), "R" 1989-95 (S/C) (cont.)

K I T S	RE-RING KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6339	----
	89	Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6339M	----
	89	Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6339	----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-89	Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6138	----
	90-89	Regrinding crank more than .50mm not recommended; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6138	----
	90-89	w/M/T; Regrinding crank more than .50mm not recommended; Incl. oil pump; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master		MKP-6339B	----
	90-89	w/M/T; Regrinding crank more than .50mm not recommended; Incl. oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6339B	----
	90-89	w/M/T; Regrinding crank more than .50mm not recommended; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6339B	----

3.9L 239 OHV V8 (Ford), 3.5" Bore 1954 **33**

VIN Code "U" 1954

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	54	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	54	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	54	223-249	Use w/silent type chain; 42 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	54	RP-3017	8.2580" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Shaft Assy.	54	RA-1001H	For 1 bank
	1	Shaft Assy.	54	RA-1001	For 1 complete Eng.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	8	Intake	54	V-1128 Std Only	1.6470" Head Dia., .3420" Stem Dia., 5.0900" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	54	VG-5071	Exh.; Cut to fit; .3440" ID, 2.6250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	54	VS-1575	2.1250" Free Height
	16	Spring, Bulk	54	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	54	MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	54	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	54	MV-1599C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	54	MV-1599	Umbrella type; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	54	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	54	VK-115	1 groove; Square cut key groove
	32	Keeper	54	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	54	VK-115B	1 groove; Square cut key groove; Carton of 1000

(continued on next page)

Ford Car

33 3.9L 239 OHV V8 (Ford), 3.5" Bore 1954

(cont.) VIN Code "U" 1954

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Pin Bushing	54	1834V20	1.306" length; .020" extra bore stock	
	8	Pin Bushing	54	1834V	1.306" max. length	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	54	SL-15M Std Only	3/32" wall, Must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	54	884M Std-10-20-30-40-50	8-2000CAA 60 avail. as unplated & resizeable w/Cross-drilled No. 3 cam journal w/Grooved No. 3 cam journal	
	1	Rod Set	54	8-2000CPA Std-10-20-30-40		
	8	Rod Pair	54	2000CPA Std-1-10-20-30-40		
	1	Cam Set	54	1223M Std Only		
1	Cam Set	54	1160M Std Only			

34 3.9L 239.4 L-HEAD V8 (Ford/Mercury), 3.1875" Bore 1953-46

VIN Code "B" 1949-53

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	53-49	221-2727S	221-2702 not sold separately; Incl. (1) 221-2701, (1) 221-2702
	1	Crank Gear	53-49	221-2701	22 Teeth
	1	Crank Gear	48-46	221-4704	22 Teeth
	1	Cam Gear	53-49	221-2702	Alum.; 44 Teeth
	1	Cam Gear	48-46	221-4706	Alum.; 44 Teeth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	16	Intake	53-52	V-1041 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8170" O.A.L.
	16	Intake	51-49	V-967 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8190" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	53-49	VG-428	Use w/MV-1231 seal; .3435" ID, 2.2000" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	53-52	VS-392	2.2000" Free Height	
16	Spring	51-46	VS-393	2.4800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	53-49	MV-1231	O-Ring; Carton of 50; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	53-46	245-1640-1 Std Only	1.6395" OD, 1.3750" ID, .2480" Depth	
8	Int.	53-46	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth	
8	Int.	53-46	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	53-49	VK-115	1 groove; Square cut key groove	
32	Keeper	53-49	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper	53-46	VK-88	Valve guide retainer	
32	Keeper, Bulk	53-49	VK-115B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	53-46	1003P Std-20-30-40-60-80	Cast; 2-3/32", 2-3/16" Ring Groove, 1.519 plus .210 crown" CD, .7500" Pin Dia., Crowned Head w/ring below pin - 7.0:1 C.R.; Not factory duplicate; Repl. O.E. No. 8BA-6108A
	8	Cast Piston - Individual	53-46	W1003P Std-20-30-40-60-80	Cast; 2-3/32", 2-3/16" Ring Groove, 1.519 plus .210 crown" CD, .7500" Pin Dia., Crowned Head w/ring below pin - 7.0:1 C.R.; Not factory duplicate; Repl. O.E. No. 8BA-6108A
	8	Pin Bushing	53-46	9024XBS	.820" max. housing bore
	8	Pin Bushing	53-46	9024VA	Split type bushing; .8125" max. housing bore
	8	Pin Bushing	48-46	9024V	Split type bushing; .801" max. housing bore
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	2	Premium Set	49-46	997KX Std Only	100 HP Eng.; 2-3/32, 2-5/32
	1	Premium Set	49-46	E-247KC30 30-40-60	2-3/32, 2-3/16
	1	Standard Set	53-46	E-247X Std-30-40-60-80	2-3/32, 2-3/16
	2	Standard Set	49-46	997X Std Only	100 HP Eng.; 2-3/32, 2-5/32
	8	Standard Single Cylinder Set	53-46	WE-247X Std-30-40	2-3/32, 2-3/16
	8	Standard Single Cylinder Set	49-46	W-997X Std Only	100 HP Eng.; 2-3/32, 2-5/32
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Dry Sleeve	53-49	SL-140M Std Only	Flanged, finished bore sleeve; NOTE: Use SL-140M w/3.377" OD when block is not milled between valves and bore; Grind valve reliefs if necessary
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	53-48	646M Std-10-20-30	100 HP
	1	Main Set	48-46	533M Std-10-20-30	

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Ford Car

3.9L 239.4 L-HEAD V8 (Ford/Mercury), 3.1875" Bore 1953-46 34					
VIN Code "B" 1949-53 (cont.)					
BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	53-48	8-1505CAA	Std-10-20
	8	Rod Pair	53-48	1505CAA	Std-10-20-30-40
	8	Rod Pair	53-46	9805CA10	10-20-30
	1	Cam Set	53-46	1005M	Std Only
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	53-48	224-41108	w/drive gear	
3.9L 240 OHV L6, 4" Bore 1972-65 35					
VIN Codes "B" 1965-70, "E" 1965-72, "V" 1965-72					
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	72-65	V-1937X	Std Only Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
	6	Exhaust	72-65	V-2040	Std Only Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
	6	Exhaust, Bulk	72-65	V-2040B	Std Only Chrome plated stem; Carton of 25; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
	6	Intake	72-65	V-2041	Std-15 Chrome plated stem; 1.7800" Head Dia., .3420" Stem Dia., 4.8100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	72-65	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	6	Guide, Bulk	72-65	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	6	Spring	72-65	VS-656	Exh.; Use w/Rotators; 1.8750" Free Height
	12	Spring	72-65	VS-648	Exh. & Int.; w/o Rotators; 1.9900" Free Height
	12	Spring	72-65	VS-661	Exh. & Int.; Incl. damper; 2.0460" Free Height
	6	Spring, Bulk	72-65	VS-656B	Exh.; Use w/Rotators; Carton of 300; 1.8750" Free Height
	12	Spring, Bulk	72-65	VS-648B	Exh. & Int.; w/o Rotators; Carton of 200; 1.9900" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	72-65	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	72-65	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
	12	Valve Stem Seal	72-65	MV-1599C	Umbrella type; Rubber
	12	Valve Stem Seal Bulk	72-65	MV-1599	Umbrella type; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	72-65	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	72-65	245-1687-1N	Std Only Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	72-65	245-1687-1	Std Only 1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	72-65	245-1687-3	Std Only 1.6925" OD, 1.4375" ID, .2480" Depth
	6	Int.	72-65	245-1812-3	Std Only 1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	72-65	VK-115	1 groove; Square cut key groove
	24	Keeper	72-65	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	72-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	72-65	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	72-65	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	72-65	259-103BRS	.030"; ID 1.030"; Carton of 500
	12	Spring Insert	72-65	259-103A	.060"; ID 1.030"; Carton of 100
	12	Spring Insert	72-65	259-103ARS	.060"; ID 1.030"; Carton of 500
	6	Rotocap Assy.	72-65	RC-128SA	Incl. VS-656 spring
	6	Rotocap	72-65	RC-128S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	72-70	352AP30 *	30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	72-70	352NP	Std-30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	352AP30 *	30-40-60 From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	352NP	Std-30-40-60 From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	1109P	Std-20-30-40-60 To late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
6	Cast Piston	68-65	1109P	Std-20-30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	

(continued on next page)

Ford Car

35 3.9L 240 OHV L6, 4" Bore 1972-65

(cont.) VIN Codes "B" 1965-70, "E" 1965-72, "V" 1965-72

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Cast Piston - Individual	72-70	W352NP Std-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.	
	6	Cast Piston - Individual	69	W352NP Std-40	From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.	
	6	Cast Piston - Individual	69	W1109P * Std-20-30-40-60	To late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	6	Cast Piston - Individual	68-65	W1109P * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	72-65	E-229K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	72-65	E-464KC Std-20-30-40	2-5/64, 1-3/16	
	1	Standard Set	72-65	E-229X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	72-65	WE-229K Std-20-30-40-60	2-5/64, 1-3/16	
6	Standard Single Cylinder Set	72-65	WE-229X Std-20-30-40-60	2-5/64, 1-3/16		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK	
1	Main Set	72-67	4916M Std-1-10-20-30-40	3.602" max. brg. flange OD		
1	Main Set	72-67	7153M10 10-20-30	3.602" max. brg. flange OD; .020" O/S length flange brg.		
1	Rod Set	72-65	6-3150CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore		
1	Rod Set	72-65	6-3150CPA Std-1-10-20-30-40-50	6-3150CAA 60 avail. as unplated & resizeable		
1	Rod Set	72-65	6-3150CAA60 60	Unplated & resizeable		
6	Rod Pair	72-65	3150CPA Std-1-2-10-20-30-40-50			
1	Cam Set	72-65	1450M Std Only			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	72-68	260-1006	Premium valve stem seals incl.		
1	Kit Gasket Set	67-65	260-1006	Valve cover gskt. not incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	KITS	
1	Brass Block Plug Kit	72-65	381-8014			
1	Steel Block Plug Kit	72-65	381-4013			
RE-RING KIT						
YEARS	DESCRIPTION			PREMIUM KIT NO.		ECONOMY KIT NO.
72-68	Premium valve stem seals incl.		Re-ring	205-612		205-112
72-68	Premium valve stem seals incl.; w/3.602" max. brg. flange OD		Re-ring w/Mains	205-612M		205-112M
67	Valve cover gskt. not incl.; Premium valve stem seals incl.; w/3.602" max. brg. flange OD		Re-ring w/Mains	205-612M		205-112M
67-65	Valve cover gskt. not incl.; Premium valve stem seals incl.		Re-ring	205-612		205-112

36 4.1L 250 OHV L6, 3.68" Bore 1980-69

VIN Codes "C" 1980, "L" 1969-79

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	77-69	222-354	Silent type; 1" wide chain; 56 Links	
	1	Crank Sprocket	77-69	223-415	Use w/1" wide chain; 21 Teeth	
	1	Cam Sprocket	73	223-414	Maverick; w/M/T; 42 Teeth	
	1	Cam Sprocket	72-69	223-414	42 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	80-69	CS-658	Hyd.	
	12	Lifter	80-69	HT-2083 Std Only	Hyd.; Carton of 122	
	12	Lifter, Bulk	80-69	HT-2083B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	80-69	55-400		
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	80-69	KC-658	Hyd.; Incl. (1) CS-658, (12) HT-2083, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	80-77	RP-3202	9.3550" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	2	Rocker Shaft	80-69	RS-619		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	80-69	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.	
	6	Intake	80-77	V-2073 Std Only	Chrome plated stem; 1.7510" Head Dia., .3103" Stem Dia., 4.2600" O.A.L.	

(continued on next page)

Ford Car

4.1L 250 OHV L6, 3.68" Bore 1980-69 36

VIN Codes "C" 1980, "L" 1969-79 (cont.)

V A L V E T R A I N	QTY 6	VALVE (cont.) Intake	YEARS 72-69	PART NO. V-1717 Std Only	DESCRIPTION w/o Chrome plated stem; 1.6555" Head Dia., .3102" Stem Dia., 4.2638" O.A.L.
	QTY 12	VALVE GUIDE Guide	YEARS 80-69	PART NO. VG-5009	DESCRIPTION Exh. & Int.; .3120" ID, 1.8800" O.A.L.
	QTY 12	VALVE SPRING Spring	YEARS 80-69	PART NO. VS-624	DESCRIPTION 1.8280" Free Height
	QTY 12	VALVE SEAL Valve Stem Seal	YEARS 80-69	PART NO. ST-2005	DESCRIPTION Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	80-69	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem
	12	Valve Stem Seal Bulk	80-69	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	12	Valve Stem Seal Bulk	80-69	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY 6	VALVE SEAT Int.	YEARS 80-77	PART NO. 245-1812-4N Std Only	DESCRIPTION Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	6	Int.	80-77	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	6	Exh.	80-69	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth
B L O C K	6	Exh.	80-69	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
	6	Int.	76-69	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	76-69	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY 24	VALVE, MISC Keeper	YEARS 80-69	PART NO. VK-144	DESCRIPTION 1 groove; Square cut key groove
	24	Keeper	80-69	VK-144R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	80-69	VK-144B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	80-69	259-102C	.015"; Carton of 100
	12	Spring Insert	80-69	259-102B	.030"; Carton of 100
	12	Spring Insert	80-69	259-102A	.060"; Carton of 100
	12	Spring Insert	80-69	259-102ARS	.060"; Carton of 500
B L O C K	QTY 6	PISTON Cast Piston	YEARS 80-69	PART NO. 275NP Std-20-30-40-60-80	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.
	6	Cast Piston - Individual	80-69	W275NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.
	QTY 1	RINGS Premium Set	YEARS 80-69	PART NO. E-219K Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Standard Set	80-69	E-219X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	80-69	WE-219K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	80-69	WE-219X Std-20-30-40-60	2-5/64, 1-3/16
	QTY 1	ENGINE BEARINGS Main Set	YEARS 80-69	PART NO. 4916M Std-1-10-20-30-40	DESCRIPTION 3.602" max. brg. flange OD
	1	Main Set	80-69	7153M10 10-20-30	3.602" max. brg. flange OD; .020" O/S length flange brg.
	1	Rod Set	80-69	6-2380CP Std-1-10-20-30-40	
	6	Rod Pair	80-69	2380CP Std-1-10-20-30-40	
B L O C K	1	Cam Set	80-69	1439M Std Only	
	QTY 1	GASKETS Kit Gasket Set	YEARS 80-69	PART NO. 260-1003	DESCRIPTION Premium valve stem seals incl.
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 80-69	PART NO. 381-8013	DESCRIPTION
	RE-RING KIT				
	YEARS 80-69	DESCRIPTION Premium valve stem seals incl.			PREMIUM KIT NO. 205-609
				Re-ring	ECONOMY KIT NO. 205-109
	80-69	Premium valve stem seals incl.; w/3.602" max. brg. flange OD		Re-ring w/Mains	205-609M 205-109M

4.2L 255 OHV V8, 3.68" Bore 1982-80 37

VIN Code "D" 1980-82

QTY 1	TIMING 3 Piece Set	YEARS 82-80	PART NO. KT3-358SA	DESCRIPTION Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	Timing Set w/Gaskets	82-80	CTS-2000	Incl. silent type chain
1	Timing Chain	82-80	222-358	Silent type; 58 Links
1	Crank Sprocket	82-80	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Cam Sprocket	82-80	223-430	Use w/Silent type chain; 42 Teeth

(continued on next page)

Ford Car

37 4.2L 255 OHV V8, 3.68" Bore 1982-80

(cont.) VIN Code "D" 1980-82

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-80	CS-668	
	16	Lifter	82-80	HT-900 Std Only	Hyd.
	16	Lifter, Bulk	82-80	HT-900B Std Only	Hyd.; Carton of 122
	1	Prelube	82-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-80	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-80	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	82-80	RP-3223R	Chrome-Moly; 6.8850" O.A.L.
VALVE TRAIN	16	Push Rod	82-80	RP-3167	6.8760" O.A.L.
	16	Push Rod, Bulk	82-80	BRP-3167	Carton of 100; 6.8760" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	82-80	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy., Bulk	82-80	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Bolt	82-80	MR-1847	5/16" X 18 UNC w/Washer
	16	Pivot	82-80	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	82-80	V-1961 Std-3-15	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	82-80	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	82-80	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
	16	Guide	82-80	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide	82-80	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk	82-80	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk	82-80	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	82-80	VS-1618R	Exh.; Incl. damper; 1.9940" Free Height
	8	Spring	82-80	VS-733	Exh.; 1.9230" Free Height
	8	Spring	82-80	VS-661	Int.; Incl. damper; 2.0460" Free Height
VALVE TRAIN	8	Spring	82-80	VS-718	Int.; 2.0280" Free Height
	8	Spring, Bulk	82-80	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	82-80	VS-718B	Int.; Carton of 250; 2.0280" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	82-80	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	82-80	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	82-80	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	82-80	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	82-80	VK-115	1 groove; Square cut key groove
BLOCK	32	Keeper	82-80	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	82-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	82-80	259-102C	.015"; Carton of 100
	16	Spring Insert	82-80	259-102B	.030"; Carton of 100
	16	Spring Insert	82-80	259-102A	.060"; Carton of 100
	16	Spring Insert	82-80	259-102ARS	.060"; Carton of 500
	8	Rotocap	82-80	RC-140	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	82-80	E-413X Std Only	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	82-80	WE-413X Std Only	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-80	7151M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	82-80	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
	1	Main Set	82-80	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
	1	Rod Set	82-80	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Rod Set	82-80	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	82-80	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	1	Rod Set	82-80	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
	1	Rod Set	82-80	8-2600CA60 60	Unplated & resizeable
	8	Rod Pair	82-80	2600CP Std-1-2-10-20-30-40	

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Ford Car

4.2L 255 OHV V8, 3.68" Bore 1982-80 **37**
VIN Code "D" 1980-82 (cont.)

4.2L 255 OHV V8, 3.68" Bore 1982-80 37						
VIN Code "D" 1980-82 (cont.)						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Rod Pair	82-80	2600A	Std-1-2-10-20-30-40 A-Series aluminum bearings	
	1	Cam Set	82-80	1204M	Std-10 Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	82-80	224-41118		
	1	Oil Pump	82-80	224-43370	High Pressure	
	1	Oil Pump	82-80	224-41128	High Volume, check pan for clearance; Incl. inter. shaft	
	1	Inter. Shaft	82-80	224-61118		
	1	Screen Assy.	82-81	224-14118	Exc. Granada	
	1	Screen Assy.	80	224-14118	Exc. Granada, Monarch & Versailles	
1	Screen Assy.	80	224-11118	Granada, Monarch & Versailles		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	82	260-1097	Premium valve stem seals incl.		
1	Kit Gasket Set	81	260-1097	From 4/14/81; Int. manifold gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	81	260-1097	To 4/13/81; Int. manifold gskt. not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	80	260-1097	Int. manifold gskt. not incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	82-80	381-8015			
1	Steel Block Plug Kit	82-80	381-4010			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	81	From 4/14/81; Int. manifold gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	81	To 4/13/81; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	80	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82	Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A
	81	From 4/14/81; Int. manifold gskt. incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A
81	To 4/13/81; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A	
80	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A	
4.2L 255.4 L-HEAD V8 (Mercury), 3.1875" Bore 1953-49 38						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Gear Set	53-49	221-2727S	221-2702 not sold separately; Incl. (1) 221-2701, (1) 221-2702	
	1	Crank Gear	53-49	221-2701	22 Teeth	
	1	Cam Gear	53-49	221-2702	Alum.; 44 Teeth	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	16	Intake	53-52	V-1041	Std Only Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8170" O.A.L.	
	16	Intake	51-49	V-967	Std Only Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8190" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	53-49	VG-428	Use w/MV-1231 seal; .3435" ID, 2.2000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	53-52	VS-392	2.2000" Free Height		
16	Spring	51-49	VS-393	2.4800" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
16	Valve Stem Seal	53-49	MV-1231	O-Ring; Carton of 50; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
8	Exh.	53-49	245-1640-1	Std Only 1.6395" OD, 1.3750" ID, .2480" Depth		

(continued on next page)

Ford Car

38 4.2L 255.4 L-HEAD V8 (Mercury), 3.1875" Bore 1953-49

(cont.)

QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
8	Int.	53-49	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
8	Int.	53-49	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	53-49	VK-88	Valve guide retainer
32	Keeper	53-49	VK-115	1 groove; Square cut key groove
32	Keeper	53-49	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	53-49	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	53-49	1014P30 30-40-60	Cast; 2-3/32", 2-3/16" Ring Groove, 1.427 plus .21 crown" CD, .7500" Pin Dia., Crowned Head .210" high w/offset pin and ring below pin; Not factory duplicate
8	Cast Piston - Individual	53-49	W1014P30 30-40-60	Cast; 2-3/32", 2-3/16" Ring Groove, 1.427 plus .21 crown" CD, .7500" Pin Dia., Crowned Head .210" high w/offset pin and ring below pin; Not factory duplicate
8	Pin Bushing	53-49	9024XBS	.820" max. housing bore
8	Pin Bushing	53-49	9024VA	Split type bushing; .8125" max. housing bore
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	53-49	E-247KC30 30-40-60	2-3/32, 2-3/16
1	Standard Set	53-49	E-247X Std-30-40-60-80	2-3/32, 2-3/16
8	Standard Single Cylinder Set	53-49	WE-247X Std-30-40	2-3/32, 2-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Dry Sleeve	53-49	SL-140M Std Only	Flanged, finished bore sleeve; NOTE: Use SL-140M w/3.377" OD when block is not milled between valves and bore; Grind valve reliefs if necessary
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	53-49	646M Std-10-20-30	
1	Rod Set	53-49	8-1505CAA Std-10-20	
8	Rod Pair	53-49	1505CAA Std-10-20-30-40	
1	Cam Set	53-49	1005M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	53-49	224-41108	w/drive gear

39 4.2L 256 OHV V8 (Mercury), 3.625" Bore 1954

VIN Code "P" 1954

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	54	RP-3017	8.2580" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
2	Shaft Assy.	54	RA-1001H	For 1 bank
1	Shaft Assy.	54	RA-1001	For 1 complete Eng.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
8	Intake	54	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	54	VS-1575	2.1250" Free Height
16	Spring, Bulk	54	VS-1575B	Carton of 250; 2.1250" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	54	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	54	MV-1599C	Umbrella type; Rubber
16	Valve Stem Seal Bulk	54	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	54	MV-1599	Umbrella type; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	54	VK-115	1 groove; Square cut key groove
32	Keeper	54	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	54	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	54	5155X Std Only	2-3/32, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	54	SL-17M Std Only	3/32" wall, must be cut to correct length & notched
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	54	884M Std-10-20-30-40-50	
1	Rod Set	54	8-2000CPA Std-10-20-30-40	8-2000CAA 60 avail. as unplated & resizeable
8	Rod Pair	54	2000CPA Std-1-10-20-30-40	
1	Cam Set	54	1223M Std Only	w/Cross-drilled No. 3 cam journal

Ford Car

4.3L 260 OHV V8, 3.7969" Bore 1965-62 40

VIN Code "F" 1962-65

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	65-62	KT3-356S	Incl. (1) 222-356, (1) 223-326, (1) 223-327
1	Timing Chain	65-62	222-356	58 Links
1	Crank Sprocket	65-62	223-327	21 Teeth
1	Cam Sprocket	65-62	223-326	42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	65-62	HT-900 Std Only	Hyd.
16	Lifter, Bulk	65-62	HT-900B Std Only	Hyd.; Carton of 122
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	65-62	RP-3223R	Chrome-Moly; 6.8850" O.A.L.
16	Push Rod	65-62	RP-3167	6.8760" O.A.L.
16	Push Rod, Bulk	65-62	BRP-3167	Carton of 100; 6.8760" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	65-62	R-836	Incl. arm, ball & nut; Flat style rockers
16	Arm Assy., Bulk	65-62	R-836B	Incl. arm, ball & nut; Flat style rockers; Carton of 64
16	Arm	65-62	R-836A	
16	Pivot Ball	65-62	MR-1809	
16	Nut	65-62	MR-1751	Self-locking, 3/8" x 24 threads
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	65-64	V-1710 Std Only	1.4500" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Exhaust	63-62	V-1613 Std Only	1.3880" Head Dia., .3095" Stem Dia., 4.8630" O.A.L.
8	Intake	65-64	V-1711 Std Only	1.6690" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	65-64	VG-5061	.3430" ID, 2.3800" O.A.L.
16	Guide	63-62	VG-5009	.3120" ID, 1.8800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	65-62	VS-661	Incl. damper; 2.0460" Free Height
16	Spring	65-62	VS-1575	2.1250" Free Height
16	Spring, Bulk	65-62	VS-1575B	Carton of 250; 2.1250" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	65-64	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	65-64	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	63-62	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	65-62	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal Bulk	65-64	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	65-62	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	63-62	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	65-64	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.	65-64	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.	65-64	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
8	Int.	65-64	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
8	Exh.	63-62	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
8	Exh.	63-62	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
8	Int.	63-62	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	63-62	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	65-64	VK-115	1 groove; Square cut key groove
32	Keeper	65-64	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	63-62	VK-144	1 groove; Square cut key groove
32	Keeper	63-62	VK-144R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	65-64	VK-115B	1 groove; Square cut key groove; Carton of 1000
32	Keeper, Bulk	63-62	VK-144B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	65-62	259-102C	.015"; Carton of 100
16	Spring Insert	65-62	259-102B	.030"; Carton of 100
16	Spring Insert	65-62	259-102A	.060"; Carton of 100
16	Spring Insert	65-62	259-102ARS	.060"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	65-62	E-175X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
8	Standard Single Cylinder Set	65-62	WE-175X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	65-62	7151M10 10-20-30	.020" O/S length flange brg.
1	Main Set	65-62	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.

(continued on next page)

Ford Car

40 4.3L 260 OHV V8, 3.7969" Bore 1965-62

(cont.) VIN Code "F" 1962-65

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	65-62	4125M	Std-1-10-20-30-40
	1	Rod Set	65-62	8-2600A	Std-1-2-10-20-30-40-60
	1	Rod Set	65-62	8-2600A10X2	10X2-20X2-30X2
	1	Rod Set	65-62	8-2600CP10X2	10X2-20X2-30X2
	1	Rod Set	65-62	8-2600CP	Std-1-2-10-20-30-40
	1	Rod Set	65-62	8-2600CA60	60
	8	Rod Pair	65-62	2600CP	Std-1-2-10-20-30-40
	8	Rod Pair	65-62	2600A	Std-1-2-10-20-30-40
	1	Cam Set	65-62	1204M	Std-10
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	65-62	224-41118	
	1	Oil Pump	65-62	224-43370	High Pressure
	1	Oil Pump	65-62	224-41128	High Volume, check pan for clearance; Incl. inter. shaft
	1	Inter. Shaft	65-62	224-61118	
	1	Screen Assy.	65-62	224-11118	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	65-62	260-1125	Premium set; Premium valve stem seals incl.
	1	Kit Gasket Set	65-62	260-1082	Premium Set; Header gskts. incl.; Complete set
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	65-62	381-8015	
	1	Steel Block Plug Kit	65-62	381-4010	

41 4.4L 272 OHV V8, 3.625" Bore 1957-55

VIN Codes "B" 1957, "M" 1955, "U" 1955-57

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	57-55	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	57-55	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	57-55	223-249	Use w/silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	57-56	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal
	1	Prelube	57-56	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	57-56	RP-3022	8.3400" O.A.L.
	16	Push Rod	55	RP-3017	8.2580" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	57-56	BRP-3022	Carton of 100; 8.3400" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Shaft Assy.	57-55	RA-1001H	For 1 bank
	1	Shaft Assy.	57-55	RA-1001	For 1 complete Eng.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	57-55	V-1127	Std Only
	8	Intake	57	V-1285	Std Only
	8	Intake	56-55	V-1115	Std Only
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	57-55	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	57-55	VS-1575	2.1250" Free Height
	16	Spring, Bulk	57-55	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	57-55	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	57-55	MV-1903	Use w/VG-5034 repair guide; Positive type; Rubber
	16	Valve Stem Seal	57-55	MV-1599C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	57-55	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	57-55	MV-1599	Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	57	245-1562-2N	Std Only
	8	Exh.	57	245-1562-2	Std Only
	8	Int.	57	245-2000-1	Std Only
	8	Exh.	56-55	245-1562-2N	Std Only
	8	Exh.	56-55	245-1562-2	Std Only

(continued on next page)

Ford Car

4.4L 272 OHV V8, 3.625" Bore 1957-55 41						
VIN Codes "B" 1957, "M" 1955, "U" 1955-57 (cont.)						
B L O C K	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION	
	8	Int.	56-55	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	57-55	VK-115	1 groove; Square cut key groove	
	32	Keeper	57-55	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	57-55	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	57-55	259-102C	.015"; Carton of 100	
	16	Spring Insert	57-55	259-102B	.030"; Carton of 100	
	16	Spring Insert	57-55	259-102A	.060"; Carton of 100	
	16	Spring Insert	57-55	259-102ARS	.060"; Carton of 500	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Pin Bushing	57-55	1834V20	1.306" length; .020" extra bore stock	
	8	Pin Bushing	57-55	1834V	1.306" max. length	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	57-55	5155X Std Only	2-3/32, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	57-55	884M Std-10-20-30-40-50		
	1	Rod Set	57-55	8-2000CPA Std-10-20-30-40	8-2000CAA 60 avail. as unplated & resizeable	
	8	Rod Pair	57-55	2000CPA Std-1-10-20-30-40		
	1	Cam Set	57-55	1223M Std Only	w/Cross-drilled No. 3 cam journal	
1	Cam Set	57-55	1160M Std Only	w/Grooved No. 3 cam journal		
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	57-55	224-41123		
	1	Pump Repair Kit	57-55	224-51297	Rotor type	
	1	Inter. Shaft	57-55	224-61123		
4.7L 289 OHV V8, 4" Bore 1968-63 42						
VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.)						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	68-66	KT3-358S	w/13/32" wide timing teeth; Exc. VIN Code "K"; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431	
	1	3 Piece Set	65	KT3-358S	From change L-7; w/13/32" wide timing teeth; Exc. VIN Code "K"; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431	
	1	3 Piece Set	65	KT3-356S	To change L-7; w/17/32" wide timing teeth; Exc. VIN Code "K"; Incl. (1) 222-356, (1) 223-326, (1) 223-327	
	1	3 Piece Set	64-63	KT3-356S	w/17/32" wide timing teeth; Exc. VIN Code "K"; Incl. (1) 222-356, (1) 223-326, (1) 223-327	
	1	Timing Chain	68-66	222-358	Silent type; 58 Links	
	1	Timing Chain	65	222-358	From change L-7; Silent type; 58 Links	
	1	Timing Chain	65	222-356	To change L-7; 58 Links	
	1	Timing Chain	64-63	222-356	58 Links	
	1	Crank Sprocket	68-66	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
	1	Crank Sprocket	65	223-431	From change L-7; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
	1	Crank Sprocket	65	223-327	To change L-7; 21 Teeth	
	1	Crank Sprocket	64-63	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
	1	Crank Sprocket	64-63	223-327	21 Teeth	
	1	Cam Sprocket	68-66	223-406	42 Teeth	
	1	Cam Sprocket	65	223-406	From change L-7; 42 Teeth	
	1	Cam Sprocket	65	223-326	To change L-7; 42 Teeth	
	1	Cam Sprocket	64-63	223-326	42 Teeth	
	V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
		1	Camshaft	68-63	CS-560	Hyd.
16		Lifter	68-63	HT-900 Std Only	Exc. VIN Code "K"; Hyd.	
16		Lifter	68-63	HT-900R Std Only	Exc. VIN Code "K"; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.	
16		Lifter	67-63	AT-2000 Std Only	VIN Code "K"; Mech.	
16		Lifter, Bulk	68-63	HT-900B Std Only	Exc. VIN Code "K"; Hyd.; Carton of 122	
16		Lifter, Bulk	68-63	HT-900RB Std Only	Exc. VIN Code "K"; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122	
16		Lifter, Bulk	67-63	AT-2000B Std Only	VIN Code "K"; Mech.; Carton of 122	
1		Prelube	68-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	

(continued on next page)

Ford Car

42 4.7L 289 OHV V8, 4" Bore 1968-63

(cont.) VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.)

VALVE TRAIN

VALVE TRAIN

QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	68-63	KC-560	Exc. VIN Code "K"; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	68-66	KCT-560A	w/13/32" wide timing teeth; Exc. VIN Code "K"; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
1	Cam/Lifter/Timing Kit	65	KCT-560A	From change L-7; w/13/32" wide timing teeth; Exc. VIN Code "K"; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
1	Cam/Lifter/Timing Kit	65	KCT-560	To change L-7; w/17/32" wide timing teeth; Exc. VIN Code "K"; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) KT3-356S, (1) 55-403B
1	Cam/Lifter/Timing Kit	64-63	KCT-560	w/17/32" wide timing teeth; Exc. VIN Code "K"; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) KT3-356S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	68-63	RP-3222R	Chrome-Moly; 6.8040" O.A.L.
16	Push Rod	68-63	RP-3165	6.8010" O.A.L.
16	Push Rod, Bulk	68-63	BRP-3165	Carton of 100; 6.8010" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	68-63	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
16	Arm Assy.	68-63	R-836	Incl. arm, ball & nut; Flat style rockers
16	Arm Assy., Bulk	68-63	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
16	Arm Assy., Bulk	68-63	R-836B	Incl. arm, ball & nut; Flat style rockers; Carton of 64
16	Arm	68-63	R-836A	
16	Pivot Ball	68-63	MR-1809	
16	Nut	68-63	MR-1823	5/16" x 24
16	Stud	68-63	MR-1902	Exc. VIN Code "K"; .006" O/S, 3/8" x 24 x 2.600"
16	Stud	68-63	MR-1901	Exc. VIN Code "K"; 3/8" x 24 x 2.600"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	68	V-1784 Std-15	1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust	67	V-1784 Std-15	Exc. VIN Code "K"; 1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust	67	V-1710 Std Only	VIN Code "K"; 1.4500" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Exhaust	66	V-1784 Std-15	From 10/4/65; Exc. VIN Code "K"; 1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust	66	V-1710 Std Only	To 10/4/65; Exc. VIN Code "K"; 1.4500" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Exhaust	66	V-1710 Std Only	VIN Code "K"; 1.4500" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Exhaust	65-63	V-1710 Std Only	1.4500" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Exhaust, Bulk	68	V-1784B15 15	Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Exhaust, Bulk	67	V-1784B15 15	Exc. VIN Code "K"; Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Exhaust, Bulk	66	V-1784B15 15	From 10/4/65; Exc. VIN Code "K"; Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Intake	68	V-1785 Std-15	1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	67	V-1785 Std-15	Exc. VIN Code "K"; 1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	67	V-1783 Std Only	VIN Code "K"; 1.7800" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	66	V-1785 Std-15	From 10/4/65; Exc. VIN Code "K"; 1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	66	V-1783 Std Only	To 10/4/65; 1.7800" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	65	V-1783 Std Only	1.7800" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	64-63	V-1711 Std Only	1.6690" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake, Bulk	68	V-1785B Std-15	Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
8	Intake, Bulk	67	V-1785B Std-15	Exc. VIN Code "K"; Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
8	Intake, Bulk	66	V-1785B Std-15	From 10/4/65; Exc. VIN Code "K"; Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	68-63	VG-5005	.3430" ID, 2.2500" O.A.L.
16	Guide, Bulk	68-63	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	68	VS-672	1.9700" Free Height
16	Spring	67	VS-672	From change L-14; Exc. VIN Code "K"; 1.9700" Free Height

(continued on next page)

Ford Car

4.7L 289 OHV V8, 4" Bore 1968-63 42

VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.) (cont.)

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Spring	67	VS-660	To change L-14; Exc. VIN Code "K"; 1.8600" Free Height
	16	Spring	67	VS-661	VIN Code "K"; Incl. damper; 2.0460" Free Height
	16	Spring	66	VS-660	From 10/4/65; Exc. VIN Code "K"; 1.8600" Free Height
	16	Spring	66	VS-1575	To 10/4/65; Exc. VIN Code "K"; 2.1250" Free Height
	16	Spring	66	VS-661	VIN Code "K"; Incl. damper; 2.0460" Free Height
	16	Spring	65	VS-1575	Exc. VIN Code "K"; 2.1250" Free Height
	16	Spring	65-63	VS-661	VIN Code "K"; Incl. damper; 2.0460" Free Height
	16	Spring	64-63	VS-1575	2.1250" Free Height
	16	Spring, Bulk	66	VS-1575B	To 10/4/65; Exc. VIN Code "K"; Carton of 250; 2.1250" Free Height
VALVE TRAIN	16	Spring, Bulk	65	VS-1575B	Exc. VIN Code "K"; Carton of 250; 2.1250" Free Height
	16	Spring, Bulk	64-63	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	68-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	68-63	MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	68-67	MV-1796C	Exc. VIN Code "K"; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal	66-63	MV-1765	Exc. VIN Code "K"; Umbrella type; Carton of 100; Rubber
	16	Valve Stem Seal	66-63	MV-1598C	VIN Code "K"; Umbrella type; Rubber
	16	Valve Stem Seal Bulk	68-67	MV-1796	Exc. VIN Code "K"; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	68-63	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	16	Valve Stem Seal Bulk	66-63	MV-1598	VIN Code "K"; Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	68-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	68-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	68-63	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	68-63	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	64-63	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	68-63	VK-115	1 groove; Square cut key groove
	32	Keeper	68-63	VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	32	Keeper, Bulk	68-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	68-63	259-102C	.015"; Carton of 100
	16	Spring Insert	68-63	259-102B	.030"; Carton of 100
	16	Spring Insert	68-63	259-102A	.060"; Carton of 100
	16	Spring Insert	68-63	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	68-66	273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	8	Cast Piston	68-64	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	68-64	272AP Std-20-30-40-60-80	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	8	Cast Piston	65-64	273AP Std-20-30-40-60	VIN Codes "A" & "D"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
BLOCK	8	Cast Piston - Individual	68-66	W273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	8	Cast Piston - Individual	68-64	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston - Individual	68-64	W272AP Std-20-30-40-60-80	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	8	Cast Piston - Individual	65-64	W273AP Std-20-30-40-60	VIN Codes "A" & "D"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Prem. Rings	68-66	8K273AP20 20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Prem. Rings	68-64	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston

(continued on next page)

Ford Car

42 4.7L 289 OHV V8, 4" Bore 1968-63

(cont.) VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	68-64	8K272AP20 20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	1	Cast Piston Set w/Prem. Rings	65-64	8K273AP20 20-30-40-60	VIN Codes "A" & "D"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Econ. Rings	68-66	8X273AP20 20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Econ. Rings	68-64	8X272AP20 20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	1	Cast Piston Set w/Econ. Rings	65-64	8X273AP20 20-30-40-60	VIN Codes "A" & "D"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	8	Powerforged	68-66	L-2482F Std-20-30-40-60	VIN Code "A"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	68-63	L-2305F Std-20-30-40-60	VIN Code "C"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
	8	Powerforged	65-64	L-2482F Std-20-30-40-60	VIN Codes "A" & "D"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68-66	WL-2482F Std-20-30-40-60	VIN Code "A"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	8	Forged Piston - Individual	68-63	WL-2305F Std-30-40	VIN Code "C"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	65-64	WL-2482F Std-20-30-40-60	VIN Codes "A" & "D"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	68-66	8KL2482F30 30-40-60	VIN Code "A"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	65-64	8KL2482F30 30-40-60	VIN Codes "A" & "D"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	68-63	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	68-63	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	68-63	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	68-63	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	68-63	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	8	Premium Single Cylinder Set	68-63	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	68-63	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	68-63	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	68-63	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-63	7151M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	68-63	4125MA Std-1-10-20-30-40	A-Series aluminum bearings ; Incl. contoured design thrust brg.
	1	Main Set	68-63	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
	1	Rod Set	68-63	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
BLOCK	1	Rod Set	68-63	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
	1	Rod Set	68-63	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	1	Rod Set	68-63	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
	1	Rod Set	68-63	8-2600CA60 60	Unplated & resizeable
	8	Rod Pair	68-63	2600CP Std-1-2-10-20-30-40	
	8	Rod Pair	68-63	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	68-63	1204M Std-10	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-63	224-41118	
	1	Oil Pump	68-63	224-43370	High Pressure

(continued on next page)

Ford Car

4.7L 289 OHV V8, 4" Bore 1968-63 **42**

VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.) (cont.)

4.7L 289 OHV V8, 4" Bore 1968-63 42						
VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.) (cont.)						
BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	68-63	224-41128	High Volume, check pan for clearance; Incl. inter. shaft	
	1	Inter. Shaft	68-63	224-61118		
	1	Screen Assy.	68-63	224-11118		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	68-63	260-1125	Exc. VIN Code "K"; Premium set; Premium valve stem seals incl.	
	1	Kit Gasket Set	68-63	260-1082	Premium Set; Header gskts. incl.; Complete set	
	1	Kit Gasket Set	68-63	260-1125	VIN Code "K"; Valve stem seals & int. manifold gskts. not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	68-63	381-8015		
1	Steel Block Plug Kit	68-63	381-4010			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	68-63	Exc. VIN Code "K"; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Re-ring		205-653	205-153
	68-63	Exc. VIN Code "K"; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Re-ring w/Mains		205-653M	205-153M
	68-63	VIN Code "K"; Valve stem seals & int. manifold gskts. not incl.; Incl. A-Series aluminum bearings	Re-ring		205-653	205-153
	68-63	VIN Code "K"; Valve stem seals & int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Re-ring w/Mains		205-653M	205-153M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	68-66	Exc. VIN Code "K"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons		MK-653D	MK-153D
	68-66	VIN Code "C"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings		MKF-653D	----
	68-66	VIN Code "C"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-653D	505-153D
	68-66	VIN Code "C"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master		MKP-653D	MKP-153D
	68-66	VIN Code "A"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-653L	505-153L
	68-66	VIN Code "A"; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master		MKP-653L	MKP-153L
	65	VIN Code "C"; To change L-7; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-653A	505-153A
	65	VIN Code "C"; To change L-7; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master		MKP-653A	MKP-153A
	65	Exc. VIN Code "K"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons		MK-653D	MK-153D
	65	VIN Code "C"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings		MKF-653D	----
	65	VIN Code "C"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-653D	505-153D

(continued on next page)

Ford Car

42 4.7L 289 OHV V8, 4" Bore 1968-63

(cont.) VIN Codes "A" 1964-68, "C" 1963-68, "D" 1964-65, "K" 1963-67 (Hi-Perf.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	65	VIN Code "C"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master	MKP-653D	
	65	Exc. VIN Code "K"; To change L-7; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master w/o Pistons	MK-653J	
	65	VIN Codes "A" & "D"; To change L-7; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-653J	
	65	VIN Codes "A" & "D"; To change L-7; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master	MKP-653J	
	65	VIN Codes "A" & "D"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653L	
	65	VIN Codes "A" & "D"; From change L-7; w/13/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master	MKP-653L	
	64	VIN Code "C"; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-653A	
	64	VIN Code "C"; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master	MKP-653A	
	64	VIN Codes "A" & "D"; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-653J	
	64	VIN Codes "A" & "D"; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master	MKP-653J	
	64-63	Exc. VIN Code "K"; w/17/32" wide timing teeth; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Master w/o Pistons	MK-653J	

43 4.8L 292 OHV V8, 3.75" Bore 1962-55

VIN Codes "C" 1957-61, "M" 1956, "P" 1955-57, "W" 1960-62

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	62-55	222-354	Silent type; 1" wide chain; 56 Links	
	1	Crank Sprocket	62-55	223-250	Use w/silent type chain; 21 Teeth	
	1	Cam Sprocket	62-55	223-249	Use w/silent type chain; 42 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	62-55	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal	
	1	Prelube	62-55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	62-56	RP-3022	8.3400" O.A.L.	
	16	Push Rod	55	RP-3017	8.2580" O.A.L.	
	16	Push Rod, Bulk	62-56	BRP-3022	Carton of 100; 8.3400" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	2	Shaft Assy.	62-55	RA-1001H	For 1 bank	
	1	Shaft Assy.	62-55	RA-1001	For 1 complete Eng.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	62-55	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.	
	8	Intake	62-60	V-1128 Std Only	1.6470" Head Dia., .3420" Stem Dia., 5.0900" O.A.L.	
	8	Intake	59-57	V-1285 Std Only	1.9250" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.	
	8	Intake	56-55	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	62-55	VG-5061	Int.; .3430" ID, 2.3800" O.A.L.	

(continued on next page)

Ford Car

4.8L 292 OHV V8, 3.75" Bore 1962-55 43				
VIN Codes "C" 1957-61, "M" 1956, "P" 1955-57, "W" 1960-62 (cont.)				
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.
	16	Spring	62-55	VS-1575
	16	Spring, Bulk	62-55	VS-1575B
	QTY	VALVE SEAL	YEARS	PART NO.
	16	Valve Stem Seal	62-55	ST-2001
	16	Valve Stem Seal	62-55	MV-1903
	16	Valve Stem Seal	62-55	MV-1599C
	16	Valve Stem Seal Bulk	62-55	ST-2001BC
	16	Valve Stem Seal Bulk	62-55	MV-1599
	QTY	VALVE SEAT	YEARS	PART NO.
	8	Int.	62-60	245-1750-3N Std Only
	8	Int.	62-60	245-1750-3 Std Only
	8	Exh.	62-55	245-1562-2N Std Only
	8	Exh.	62-55	245-1562-2 Std Only
	8	Int.	59-57	245-2000-1 Std Only
	8	Int.	56-55	245-1812-3 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	32	Keeper	62-55	VK-115
	32	Keeper	62-55	VK-115R
	32	Keeper, Bulk	62-55	VK-115B
	16	Spring Insert	62-55	259-102C
	16	Spring Insert	62-55	259-102B
	16	Spring Insert	62-55	259-102A
	16	Spring Insert	62-55	259-102ARS
B L O C K	QTY	PISTON	YEARS	PART NO.
	8	Cast Piston	62-55	1022P Std-30-40-60
	8	Cast Piston - Individual	62-55	W1022P Std-30-40-60
	8	Pin Bushing	62-55	1834V20
	8	Pin Bushing	62-55	1834V
	QTY	RINGS	YEARS	PART NO.
	1	Premium Set	62-55	E-240K Std-20-30-40-60
	1	Standard Set	62-55	E-240X Std-20-30-40-60
	8	Premium Single Cylinder Set	62-55	WE-240K Std-20-30-40-60
	8	Standard Single Cylinder Set	62-55	WE-240X Std-20-30-40-60
	QTY	SLEEVE	YEARS	PART NO.
	8	Repair Sleeve	62-55	SL-19M Std Only
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	62-55	884M Std-10-20-30-40-50
	1	Rod Set	62-55	8-2000CPA Std-10-20-30-40
	8	Rod Pair	62-55	2000CPA Std-1-10-20-30-40
	1	Cam Set	62-55	1223M Std Only
	1	Cam Set	62-55	1160M Std Only
	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump	62-55	224-41123
	1	Pump Repair Kit	62-56	224-51297
	1	Inter. Shaft	62-55	224-61123
5.0L 302 OHV V8, 4" Bore 1990-68 44				
VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-370SA1	Incl. silent type chain; Incl. (1) 222-370, (1) 223-818, (1) 223-819
1	3 Piece Set	90-89	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	88-87	KT3-358SA	Exc. VIN Code "E"; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	88-87	KT3-163SA	Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531
1	3 Piece Set	88-87	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	86-85	KT3-358SA	Exc. VIN Code "E"; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	86-85	KT3-163SA	Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	86-85	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	84-83	KT3-163SA	Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531
1	3 Piece Set	84-83	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	84-82	KT3-358SA	VIN Code "F"; w/2 Bbl. Carb.; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	81-73	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	72	KT3-358SA	From 5/2/72; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	72	KT3-358S	To 5/1/72; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	3 Piece Set	71-68	KT3-358S	Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	Timing Set w/Gaskets	90-89	CTS-2002	Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	88-86	CTS-2000	Exc. VIN Code "E"; Oil pan gskt. not incl.; Incl. silent type chain
1	Timing Set w/Gaskets	88-86	CTS-2002	VIN Code "E"; Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	85	CTS-2000	Exc. VIN Code "E"; Incl. silent type chain
1	Timing Set w/Gaskets	85	CTS-2002	VIN Code "E"; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	84-83	CTS-2002	VIN Code "M"; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	84-82	CTS-2000	VIN Code "F"; w/2 Bbl. Carb.; Incl. silent type chain
1	Timing Set w/Gaskets	81-79	CTS-2000	Incl. silent type chain
1	Timing Set w/Gaskets	78-73	CTS-2001	Incl. silent type chain
1	Timing Chain	90	222-370	Silent type; 58 Links
1	Timing Chain	90-89	222-163	Double rlr.; 58 Links
1	Timing Chain	88-82	222-163	VIN Code "E"; Double rlr.; 58 Links
1	Timing Chain	87-85	222-358	Exc. VIN Code "E"; Silent type; 58 Links
1	Timing Chain	84-82	222-358	VIN Code "F"; w/2 Bbl. Carb.; Silent type; 58 Links
1	Timing Chain	81-68	222-358	Silent type; 58 Links
1	Crank Sprocket	90	223-819	21 Teeth; Silent type; 21 Teeth
1	Crank Sprocket	90-89	223-531	Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	88	223-531	From 9/1/88; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	88	223-431	To 8/31/88; Exc. VIN Code "E"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	88	223-531	To 8/31/88; VIN Code "E"; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	87-85	223-431	Exc. VIN Code "E"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	87-85	223-531	VIN Code "E"; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	84-83	223-531	VIN Code "M"; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	84-82	223-431	VIN Code "F"; w/2 Bbl. Carb.; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	81-68	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Cam Sprocket	90	223-612	Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	90	223-818	42 Teeth; Silent type; 42 Teeth
1	Cam Sprocket	89	223-612	w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	88	223-612	From 9/1/88; w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	88	223-430	To 8/31/88; Exc. VIN Code "E"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	87-86	223-612	w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	87-85	223-430	Exc. VIN Code "E"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	85	223-612	VIN Code "E"; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	84	223-468	To 3/21/84; VIN Code "M"; Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth

(continued on next page)

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & (cont.) Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam Sprocket	84	223-612	VIN Code "M"; From 3/22/84; Double row; .900" thick cam sprocket hub; 42 Teeth
	1	Cam Sprocket	84-82	223-430	VIN Code "F"; w/2 Bbl. Carb.; Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket	83	223-468	VIN Code "M"; Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth
	1	Cam Sprocket	81-73	223-430	Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket	72	223-430	From 5/2/72; Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket	72	223-406	To 5/1/72; 42 Teeth
VALVE TRAIN	1	Cam Sprocket	71-68	223-406	42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-87	CS-760	VIN Code "E"
	1	Camshaft	90-87	CS-759	VIN Code "F"
	1	Camshaft	86	CS-760	VIN Code "E"
	1	Camshaft	86	CS-759	VIN Code "F"
	1	Camshaft	85	CS-760	Capri & Mustang; VIN Code "M"; w/4 Bbl. Carb.
	1	Camshaft	85	CS-759	VIN Code "F"
	1	Camshaft	85	CS-761	VIN Code "M"; w/MFI
	1	Camshaft	84	CS-761	VIN Code "M"
	1	Camshaft	84-80	CS-668	VIN Code "F"; w/2 Bbl. Carb.
	1	Camshaft	83	CS-761	VIN Code "M"
	1	Camshaft	79-77	CS-668	
	1	Camshaft	76	CS-668	
	1	Camshaft	76-75	CS-560	Canada; Hyd.
	1	Camshaft	75	CS-668	
	1	Camshaft	75	CS-560	To 5/19/75; U.S.; Hyd.
	1	Camshaft	74-73	CS-560	Hyd.
	1	Camshaft	72	CS-560	Exc. Calif. w/A/T; Hyd.
	1	Camshaft	71-69	CS-560	w/2 Bbl. Carb.; Hyd.
	1	Camshaft	68	CS-560	Hyd.
	1	Performance Cam	80-68	CS-1158R	302 firing order; Pro-1500 Perf. Cam; Hyd.; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	80-68	CS-1581R	351W firing order; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	80-68	CS-1084R	351W firing order; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-68	CS-1231R	351W firing order; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4720" Int., .4960" Exh.; Lobe Separation 112 Degrees
	16	Lifter	90-86	HT-2205 Std Only	Hyd. rlr.
	16	Lifter	85	HT-900 Std Only	Hyd.
	16	Lifter	85	HT-2205 Std Only	Hyd. rlr.
	16	Lifter	85	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter	84-72	HT-900 Std Only	Hyd.
	16	Lifter	84-72	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter	71-69	HT-900 Std Only	w/2 Bbl. Carb.; Hyd.
	16	Lifter	71-69	HT-900R Std Only	w/2 Bbl. Carb.; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter	71-69	AT-2000 Std Only	w/4 Bbl. Carb.; Mech.
	16	Lifter	68	HT-900 Std Only	Hyd.
	16	Lifter	68	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk	90-86	HT-2205B Std Only	Hyd. rlr.; Carton of 122
	16	Lifter, Bulk	85	HT-2205B Std Only	Hyd. rlr.; Carton of 122
	16	Lifter, Bulk	85	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	85	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	16	Lifter, Bulk	84-72	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	84-72	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	16	Lifter, Bulk	71-69	HT-900B Std Only	w/2 Bbl. Carb.; Hyd.; Carton of 122
	16	Lifter, Bulk	71-69	HT-900RB Std Only	w/2 Bbl. Carb.; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	16	Lifter, Bulk	71-69	AT-2000B Std Only	w/4 Bbl. Carb.; Mech.; Carton of 122
	16	Lifter, Bulk	68	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	68	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	1	Prelube	90-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-87	KC-760	VIN Code "E"; Hyd. rlr.; Incl. (1) CS-760, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	90-87	KC-759	VIN Code "F"; Hyd. rlr.; Incl. (1) CS-759, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	86	KC-760	VIN Code "E"; Hyd. rlr.; Incl. (1) CS-760, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	86	KC-759	VIN Code "F"; Hyd. rlr.; Incl. (1) CS-759, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	85	KC-760	Capri & Mustang; VIN Code "M"; w/4 Bbl. Carb.; Hyd. rlr.; Incl. (1) CS-760, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	85	KC-759	VIN Code "F"; Hyd. rlr.; Incl. (1) CS-759, (16) HT-2205, (1) 55-403B
1	Cam/Lifter Kit	85	KC-761	VIN Code "M"; w/MFI; Hyd.; Incl. (1) CS-761, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	84	KC-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	84	KC-761	VIN Code "M"; Hyd.; Incl. (1) CS-761, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	83	KC-761	VIN Code "M"; Hyd.; Incl. (1) CS-761, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	83-82	KC-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	81-80	KC-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	80-72	KC-1008R +	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B; When depleted use KC-1158R
1	Cam/Lifter Kit	80-72	KC-1158R	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	80-72	KC-1084R	351W firing order; Hyd.; Incl. Pro-2000 Perf. Cam; Duration at .050: 204 Int., 224 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1084R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	80-72	KC-1231R	351W firing order; Hyd.; Incl. Pro-3000 Perf. Cam; Duration at .050; 214 Int.; 224 Exh.; Valve lift .472" Int., .496" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1231R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	79-77	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	76	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	76-75	KC-560	Canada; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	75	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	75	KC-560	To 5/19/75; U.S.; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	74-73	KC-560	Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	72	KC-560	Exc. Calif. w/A/T; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-560	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-1008R +	w/2 Bbl. Carb.; 302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B; When depleted use KC-1158R
1	Cam/Lifter Kit	71-69	KC-1158R	w/2 Bbl. Carb.; 302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-1084R	w/2 Bbl. Carb.; 351W firing order; Hyd.; Incl. Pro-2000 Perf. Cam; Duration at .050: 204 Int., 224 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1084R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-1231R	w/2 Bbl. Carb.; 351W firing order; Hyd.; Incl. Pro-3000 Perf. Cam; Duration at .050; 214 Int.; 224 Exh.; Valve lift .472" Int., .496" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1231R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	68	KC-560	Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	68	KC-1008R +	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B; When depleted use KC-1158R

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Ford Car

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	68	KC-1158R	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	68	KC-1084R	351W firing order; Hyd.; Incl. Pro-2000 Perf. Cam; Duration at .050: 204 Int., 224 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1084R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	68	KC-1231R	351W firing order; Hyd.; Incl. Pro-3000 Perf. Cam; Duration at .050: 214 Int.; 224 Exh.; Valve lift .472" Int., .496" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1231R, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-89	KCT-760	VIN Code "E"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-760, (16) HT-2205, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-86	KCT-760	VIN Code "E"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-760, (16) HT-2205, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-760	Capri & Mustang; VIN Code "M"; w/4 Bbl. Carb.; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-760, (16) HT-2205, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-761	VIN Code "M"; w/MFI; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-761, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	84	KCT-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	84	KCT-761	VIN Code "M"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-761, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-83	KCT-668A	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-668, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	83	KCT-761	VIN Code "M"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-761, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	83-82	KCT-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	81-80	KCT-668	VIN Code "F"; w/2 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-77	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	76	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-75	KCT-560C	Canada; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	75	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	75	KCT-560C	To 5/19/75; U.S.; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	74-73	KCT-560C	Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	72	KCT-560C	From 5/2/72; Exc. Calif. w/A/T; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
1	Cam/Lifter/Timing Kit	72	KCT-560A	To 5/1/72; Exc. Calif. w/A/T; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
1	Cam/Lifter/Timing Kit	71-69	KCT-560A	w/2 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
1	Cam/Lifter/Timing Kit	68	KCT-560A	Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-86	RP-3241	Replaces E7AZ6565A, can be installed either side up; 6.2500" O.A.L.
16	Push Rod	85	RP-3167	w/o rlr. cam; 6.8760" O.A.L.
16	Push Rod	85	RP-3241	w/rlr. lifters; Replaces E7AZ6565A, can be installed either side up; 6.2500" O.A.L.
16	Push Rod	84-71	RP-3223R	Chrome-Moly; 6.8850" O.A.L.
16	Push Rod	84-71	RP-3167	6.8760" O.A.L.
16	Push Rod	70	RP-3223R	w/2 Bbl. Carb.; Chrome-Moly; 6.8850" O.A.L.
16	Push Rod	70	RP-3167	w/2 Bbl. Carb.; 6.8760" O.A.L.
16	Push Rod	70-69	RP-3224R	w/4 Bbl. Carb.; Chrome-Moly; 7.6050" O.A.L.
16	Push Rod	70-69	RP-3187	w/4 Bbl. Carb.; 7.6010" O.A.L.
16	Push Rod	69-68	RP-3222R	w/2 Bbl. Carb.; Chrome-Moly; 6.8040" O.A.L.
16	Push Rod	69-68	RP-3165	w/2 Bbl. Carb.; 6.8010" O.A.L.

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
16	Push Rod, Bulk	90-86	BRP-3241	Replaces E7AZ6565A, can be installed either side up; Carton of 100; 6.2500" O.A.L.
16	Push Rod, Bulk	85	BRP-3167	w/o rlr. cam; Carton of 100; 6.8760" O.A.L.
16	Push Rod, Bulk	85	BRP-3241	w/rlr. lifters; Replaces E7AZ6565A, can be installed either side up; Carton of 100; 6.2500" O.A.L.
16	Push Rod, Bulk	84-71	BRP-3167	Carton of 100; 6.8760" O.A.L.
16	Push Rod, Bulk	70	BRP-3167	w/2 Bbl. Carb.; Carton of 100; 6.8760" O.A.L.
16	Push Rod, Bulk	69-68	BRP-3165	w/2 Bbl. Carb.; Carton of 100; 6.8010" O.A.L.
8	Push Rod Guide Plate	78-68	MR-1897	Speed-Pro flat guide plate for 5/16" dia. push rods; Requires screw-in studs
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	90-80	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
16	Arm Assy.	79-78	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
16	Arm Assy.	79-78	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
16	Arm Assy.	77-72	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
16	Arm Assy.	71-68	R-847	w/2 Bbl. Carb.; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
16	Arm Assy.	71-68	R-855	w/4 Bbl. Carb.; Incl. arm & pivot
16	Arm Assy., Bulk	90-80	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
16	Arm Assy., Bulk	79-78	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
16	Arm Assy., Bulk	79-78	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
16	Arm Assy., Bulk	77-72	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
16	Arm Assy., Bulk	71-68	R-847B	w/2 Bbl. Carb.; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
16	Arm Assy., Bulk	71-68	R-855B	w/4 Bbl. Carb.; Incl. arm & pivot; Carton of 64
16	Arm	90-80	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
16	Arm	79-78	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
16	Arm	71-68	R-855A	w/4 Bbl. Carb.
16	Pivot Ball	79-68	MR-1809	Use w/R-847
16	Nut	90-68	MR-1751	Self-locking, 3/8" x 24 threads
16	Nut	90-68	MR-1823	5/16" x 24
16	Bolt	90-78	MR-1847	5/16" X 18 UNC w/Washer
16	Pivot	90-78	MR-1811	
16	Pivot	71-68	MR-1811	w/4 Bbl. Carb.
16	Stud	78-71	MR-1902	.006" O/S, 3/8" x 24 x 2.600"
16	Stud	78-71	MR-1901	3/8" x 24 x 2.600"
16	Stud	70	MR-1902	w/2 Bbl. Carb.; .006" O/S, 3/8" x 24 x 2.600"
16	Stud	70	MR-1901	w/2 Bbl. Carb.; 3/8" x 24 x 2.600"
16	Stud	70	MR-1910RS	w/4 Bbl. Carb.; 7/16" thread, 1.955" length, .710" depth
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90-88	V-1961	Mark VII & Mustang; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	90-88	V-2429	VIN Code "F"; Chrome plated stem; 1.4570" Head Dia., .3414" Stem Dia., 4.9420" O.A.L.
8	Exhaust	87	V-2429	Exc. Mustang; Chrome plated stem; 1.4570" Head Dia., .3414" Stem Dia., 4.9420" O.A.L.
8	Exhaust	87	V-1961	Mustang; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	86	V-2429	Chrome plated stem; 1.4570" Head Dia., .3414" Stem Dia., 4.9420" O.A.L.
8	Exhaust	85-72	V-1961	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	71-70	V-1961	w/2 Bbl. Carb.; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	69	V-1961	From change L-4; w/2 Bbl. Carb.; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	69	V-1784	To change L-4; w/2 Bbl. Carb.; 1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust	68	V-1784	1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust, Bulk	90-88	V-1961B	Mark VII & Mustang; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.

(continued on next page)

Ford Car

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & (cont.) Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust, Bulk	87	V-1961B Std-15	Mustang; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	85-72	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	71-70	V-1961B Std-15	w/2 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	69	V-1961B Std-15	From change L-4; w/2 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	69	V-1784B15 15	To change L-4; w/2 Bbl. Carb.; Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Exhaust, Bulk	68	V-1784B15 15	Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Intake	90-88	V-2045 Std-15	Mark VII & Mustang; Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	90-88	V-2430 Std-15	VIN Code "F"; Chrome plated stem; 1.7770" Head Dia., .3420" Stem Dia., 4.9420" O.A.L.
8	Intake	87	V-2045 Std-15	Mustang; Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	87	V-2430 Std-15	VIN Code "F"; Chrome plated stem; 1.7770" Head Dia., .3420" Stem Dia., 4.9420" O.A.L.
8	Intake	86	V-2430 Std-15	Chrome plated stem; 1.7770" Head Dia., .3420" Stem Dia., 4.9420" O.A.L.
8	Intake	85-79	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	78	V-1932 Std-15	w/Cast iron rocker arms; Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
8	Intake	78	V-2045 Std-15	w/Stamped steel rocker arms; Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	77-72	V-1932 Std-15	Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
8	Intake	71-70	V-1932 Std-15	w/2 Bbl. Carb.; Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
8	Intake	69	V-1932 Std-15	From change L-4; w/2 Bbl. Carb.; Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
8	Intake	69	V-1785 Std-15	To change L-4; w/2 Bbl. Carb.; 1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake	68	V-1785 Std-15	1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake, Bulk	90-88	V-2045B Std-15	Mark VII & Mustang; Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	90-88	V-2430B15 15	VIN Code "F"; Chrome plated stem; Carton of 25; 1.7770" Head Dia., .3570" Stem Dia., 4.9420" O.A.L.
8	Intake, Bulk	87	V-2045B Std-15	Mustang; Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	87	V-2430B15 15	VIN Code "F"; Chrome plated stem; Carton of 25; 1.7770" Head Dia., .3570" Stem Dia., 4.9420" O.A.L.
8	Intake, Bulk	86	V-2430B15 15	Chrome plated stem; Carton of 25; 1.7770" Head Dia., .3570" Stem Dia., 4.9420" O.A.L.
8	Intake, Bulk	85-79	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	78	V-1932B15 15	w/Cast iron rocker arms; Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
8	Intake, Bulk	78	V-2045B Std-15	w/Stamped steel rocker arms; Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	77-72	V-1932B15 15	Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
8	Intake, Bulk	71-70	V-1932B15 15	w/2 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
8	Intake, Bulk	69	V-1932B15 15	From change L-4; w/2 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
8	Intake, Bulk	69	V-1785B Std-15	To change L-4; w/2 Bbl. Carb.; Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
8	Intake, Bulk	68	V-1785B Std-15	Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90-73	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
16	Guide	90-73	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
16	Guide	90-73	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide	72-68	VG-5061	.3430" ID, 2.3800" O.A.L.
16	Guide, Bulk	90-73	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
16	Guide, Bulk	90-73	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-85	VS-733	Exh.; Exc. VIN Code "E"; 1.9230" Free Height
8	Spring	90-85	VS-919	Exh.; VIN Code "E"; 1.9000" Free Height
8	Spring	90-85	VS-718	Int.; Exc. VIN Code "E"; 2.0280" Free Height
8	Spring	90-85	VS-918	Int.; VIN Code "E"; 2.0280" Free Height
16	Spring	85-68	VS-661	Int. & Exh.; Incl. damper; 2.0460" Free Height
8	Spring	84-83	VS-919	Exh.; VIN Code "M"; 1.9000" Free Height
8	Spring	84-83	VS-918	Int.; VIN Code "M"; 2.0280" Free Height
8	Spring	84-80	VS-733	Exh.; VIN Code "F"; w/2 Bbl. Carb.; 1.9230" Free Height
8	Spring	84-80	VS-718	Int.; VIN Code "F"; w/2 Bbl. Carb.; 2.0280" Free Height
8	Spring	79	VS-733	Exh.; 1.9230" Free Height
8	Spring	79	VS-718	Int.; 2.0280" Free Height
8	Spring	78	VS-733	Exh.; 1.9230" Free Height
8	Spring	78	VS-1435	Int.; w/Cast iron rocker arms; 1.9650" Free Height
8	Spring	78	VS-718	Int.; w/Stamped steel rocker arms; 2.0280" Free Height
8	Spring	77-73	VS-733	Exh.; 1.9230" Free Height
8	Spring	77-73	VS-1435	Int.; 1.9650" Free Height
16	Spring	72	VS-1435	Exh. & Int.; 1.9650" Free Height
16	Spring	71-70	VS-1435	Exh. & Int.; w/2 Bbl. Carb.; 1.9650" Free Height
16	Spring	71-69	VS-717	Exh. & Int.; w/4 Bbl. Carb.; Incl. damper; 2.0260" Free Height
16	Spring	69	VS-1435	Exh. & Int.; From change L-4; w/2 Bbl. Carb.; 1.9650" Free Height
16	Spring	69	VS-672	Exh. & Int.; To change L-4; w/2 Bbl. Carb.; 1.9700" Free Height
16	Spring	68	VS-672	Exh. & Int.; 1.9700" Free Height
8	Spring, Bulk	90-85	VS-733B	Exh.; Exc. VIN Code "E"; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	90-85	VS-919B	Exh.; VIN Code "E"; Carton of 300; 1.9000" Free Height
8	Spring, Bulk	90-85	VS-718B	Int.; Exc. VIN Code "E"; Carton of 250; 2.0280" Free Height
8	Spring, Bulk	84-83	VS-919B	Exh.; VIN Code "M"; Carton of 300; 1.9000" Free Height
8	Spring, Bulk	84-80	VS-733B	Exh.; VIN Code "F"; w/2 Bbl. Carb.; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	84-80	VS-718B	Int.; VIN Code "F"; w/2 Bbl. Carb.; Carton of 250; 2.0280" Free Height
8	Spring, Bulk	79	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	79	VS-718B	Int.; Carton of 250; 2.0280" Free Height
8	Spring, Bulk	78	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	78	VS-1435B	Int.; w/Cast iron rocker arms; Carton of 250; 1.9650" Free Height
8	Spring, Bulk	78	VS-718B	Int.; w/Stamped steel rocker arms; Carton of 250; 2.0280" Free Height
8	Spring, Bulk	77-73	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	77-73	VS-1435B	Int.; Carton of 250; 1.9650" Free Height
16	Spring, Bulk	72	VS-1435B	Exh. & Int.; Carton of 250; 1.9650" Free Height
16	Spring, Bulk	71-70	VS-1435B	Exh. & Int.; w/2 Bbl. Carb.; Carton of 250; 1.9650" Free Height
16	Spring, Bulk	69	VS-1435B	Exh. & Int.; From change L-4; w/2 Bbl. Carb.; Carton of 250; 1.9650" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber
16	Valve Stem Seal	90-70	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	83-68	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	71-69	ST-2018R	w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Use w/double spring; PTFE
16	Valve Stem Seal	89-86	MV-1819C	Exh.; VIN Code "F"; Umbrella type; Nylon
8	Valve Stem Seal	85-81	MV-1819C	Exh.; Fits Std. valve stem only; Umbrella type; Nylon
8	Valve Stem Seal	85-81	MV-1906	Int.; Fits Std. valve stem only; Umbrella type; Nylon
16	Valve Stem Seal	80-68	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal Bulk	90-70	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	89-86	MV-1819	Exh.; VIN Code "F"; Umbrella type; Carton of 50; Nylon
8	Valve Stem Seal Bulk	85-81	MV-1819	Exh.; Fits Std. valve stem only; Umbrella type; Carton of 50; Nylon
16	Valve Stem Seal Bulk	80-68	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber

(continued on next page)

Ford Car

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal Bulk	71-69	ST-2018RBC	w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Carton of 100; Use w/double spring; PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90-68	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
BLOCK	8	Exh.	90-68	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	BLOCK
	8	Int.	90-68	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
	8	Int.	90-68	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
BLOCK	32	Keeper	90-68	VK-115	1 groove; Square cut key groove	BLOCK
	32	Keeper	90-68	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	90-68	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	90-68	259-102C	.015"; Carton of 100	
BLOCK	16	Spring Insert	90-68	259-102B	.030"; Carton of 100	BLOCK
	16	Spring Insert	90-68	259-102A	.060"; Carton of 100	
	16	Spring Insert	90-68	259-102ARS	.060"; Carton of 500	
	8	Rotocap	90-73	RC-140	Exh.	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston	90-86	506P Std-20-30-40	Exc. VIN Codes "E" & "T"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9122" Pin Dia., Recessed Head .050" deep x 2.500" dia. - 8.9:1 C.R.	
	8	Cast Piston	90-86	H654CP20 20-30-40-60	VIN Code "E"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	90-86	H654P Std-20-30-40-60	VIN Code "E"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs	
BLOCK	8	Cast Piston	90-86	H606P Std-20-30-40-60	VIN Codes "E" & "T"; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.600" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs	BLOCK
	8	Cast Piston	90-84	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	85	H654CP20 20-30-40-60	VIN Code "E"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	85	H654P Std-20-30-40-60	VIN Code "E"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs	
BLOCK	8	Cast Piston	85-77	273AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	BLOCK
	8	Cast Piston	84-83	H654CP20 20-30-40-60	VIN Code "M"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	84-82	H654P Std-20-30-40-60	VIN Code "M"; Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs	
	8	Cast Piston	83-80	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston	
BLOCK	8	Cast Piston	81-77	H654CP20 20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston	BLOCK
	8	Cast Piston	81-77	H654P Std-20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs	
	8	Cast Piston	79	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	79	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston	

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	78-77	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	76-74	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	76-73	272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston	73-72	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	72-69	272AP Std-20-30-40-60-80	w/2 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston	71-68	H273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	68	272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual	90-86	W506P Std-20-30-40	Exc. VIN Codes "E" & "T"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9122" Pin Dia., Recessed Head .050" deep x 2.500" dia. - 8.9:1 C.R.
8	Cast Piston - Individual	90-86	WH606P Std-20-30-40-60	VIN Code "E"; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.600" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
8	Cast Piston - Individual	90-86	WH654P Std-20-30-40-60	VIN Code "E"; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
8	Cast Piston - Individual	90-84	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	85	WH654P Std-20-30-40-60	VIN Code "E"; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
8	Cast Piston - Individual	85-77	W273AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
8	Cast Piston - Individual	84-83	WH654P Std-20-30-40-60	VIN Code "M"; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
8	Cast Piston - Individual	83-80	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	81-77	WH654P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
8	Cast Piston - Individual	79	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	78-77	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	76-74	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	76-73	W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual	73-72	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston

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5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston - Individual	72	W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual	71-69	W272AP Std-20-30-40-60-80	w/2 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual	71-68	WH273CP Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-251K, E-251KC or E-251X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	68	W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	90-86	8KH654CP30 30-40-60	VIN Codes "E" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	90-84	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	85-77	8K273AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
1	Cast Piston Set w/Prem. Rings	85-77	8KH654CP30 30-40-60	VIN Code "E"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	83-80	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	79	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	78-77	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	76-74	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	76-73	8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	73-72	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	72	8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	71-69	8K272AP20 20-30-40-60	w/2 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	71-68	8KH273CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	68	8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Econ. Rings	90-86	8XH654P30 30-40-60	VIN Code "E"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	85	8XH654P30 30-40-60	VIN Code "E"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	85-77	8X273AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
1	Cast Piston Set w/Econ. Rings	84-83	8XH654P30 30-40-60	VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	81-77	8XH654P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	76-73	8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

B	BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
		1	Cast Piston Set w/Econ. Rings	72	8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
		1	Cast Piston Set w/Econ. Rings	71-69	8X272AP20 20-30-40-60	w/2 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
		1	Cast Piston Set w/Econ. Rings	68	8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
		8	Powerforged	90	L-2488F Std-20-30-40-60	VIN Code "E"; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	89-86	L-2488F Std-20-30-40-60	VIN Code "E"; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	85	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	85	L-2488F Std-20-30-40-60	VIN Code "E"; From 1/85; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	84	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	83-77	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	76-73	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Powerforged	72	L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
		8	Powerforged	71-69	L-2305F Std-20-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
		8	Powerforged	68	L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	90	WL-2488F Std-20-30-40-60	Mustang & Mark VII; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	89-86	WL-2488F Std-20-30-40-60	VIN Code "E"; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	85	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	85	WL-2488F Std-20-30-40-60	VIN Code "E"; From 1/85; Powerforged; 2-1.50mm, 1-4.00mm Ring Groove, 1.619" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	84	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	83-77	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	76-73	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	72	WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
		8	Forged Piston - Individual	71-69	WL-2305F Std-30-40	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.

(continued on next page)

Ford Car

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Forged Piston - Individual	68	WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	85	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	84	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	83-77	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	76-73	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-251K Std-10-20-30-40-60	Use w/H654P or H654CP piston; 2-5/64, 1-3/16
	1	Premium Set	90-86	E-458K Std-5-20-30-40-60	2-1.50MM, 1-4.00MM
	1	Premium Set	85	E-251K Std-10-20-30-40-60	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	1	Premium Set	85	E-251KC Std-10-20-30-40-60	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	1	Premium Set	84-68	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	84-68	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	84-68	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-86	E-251X Std-10-20-30-40-60-80	Use w/H654P piston; 2-5/64, 1-3/16
	1	Standard Set	90-86	E-458X Std-20-30-40-60	2-1.50MM, 1-4.00MM
	1	Standard Set	85	E-251X Std-10-20-30-40-60-80	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	1	Standard Set	84-68	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-86	WE-251K Std-20-30-40-60	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-86	WE-251KC Std-20-30-40-60	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-86	WE-458K Std-20-30-40-60	2-1.50MM, 1-4.00MM
	8	Premium Single Cylinder Set	85	WE-251K Std-20-30-40-60	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	85	WE-251KC Std-20-30-40-60	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	84-68	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	84-68	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-86	WE-251X Std-20-30-40-60-80	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	85	WE-251X Std-20-30-40-60-80	VIN Code "E"; To 1/85; Check piston grooving before supplying ring set; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	84-68	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	90-68	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	90-68	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-68	7151M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	90-68	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
	1	Main Set	90-68	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
	1	Rod Set	90-68	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Rod Set	90-68	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	90-68	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	1	Rod Set	90-68	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
	1	Rod Set	90-68	8-2600CA60 60	Unplated & resizeable
	8	Rod Pair	90-68	2600CP Std-1-2-10-20-30-40	
	8	Rod Pair	90-68	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	90-68	1204M Std-10	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-72	224-41118	
	1	Oil Pump	90-71	224-43370	High Pressure
	1	Oil Pump	90-71	224-41128	High Volume, check pan for clearance; Incl. inter. shaft
	1	Oil Pump	71-69	224-41118	w/2 Bbl. Carb.
	1	Oil Pump	70-68	224-43370	High Pressure

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	70-68	224-41128	High Volume, check pan for clearance; Incl. inter. shaft From 8/28/90 To 8/27/90 Exc. Mustang, Capri, Fairmont & Zephyr Mustang, Capri, Fairmont & Zephyr Exc. Mustang II, Fairmont & Zephyr Fairmont & Zephyr Exc. Mustang II	
	1	Oil Pump	68	224-41118		
	1	Inter. Shaft	90-71	224-61118		
	1	Screen Assy.	90	224-16118		
	1	Screen Assy.	90	224-14118		
	1	Screen Assy.	89-81	224-14118		
	1	Screen Assy.	79	224-11118		
	1	Screen Assy.	79	224-14118		
	1	Screen Assy.	78	224-11118		
	1	Screen Assy.	78	224-14118		
	1	Screen Assy.	77-75	224-11118		
	1	Screen Assy.	74-68	224-11118		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-87	260-1445	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-86	260-1720	Premium set; Exh. header gskts. incl.; Complete set	
	1	Kit Gasket Set	86	260-1445	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1082	Premium Set; VIN Code "F"; Header gskts. incl.; Complete set	
	1	Kit Gasket Set	85	260-1213A	VIN Code "E"; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1169	VIN Code "F"; One-piece rear main brg. seal incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	84	260-1169	VIN Code "F"; One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	84-83	260-1082	Premium Set; VIN Code "F"; Header gskts. incl.; Complete set		
1	Kit Gasket Set	84-83	260-1213A	VIN Code "M"; Premium valve stem seals incl.		
1	Kit Gasket Set	83	260-1169	VIN Code "F"; From 12/1/82; One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	82	260-1213A	Exc. Mustang; Premium valve stem seals incl.		
1	Kit Gasket Set	82	260-1082	Premium Set; Exc. Mustang; Header gskts. incl.; Complete set		
1	Kit Gasket Set	82	260-1125	To 11/30/82; Exc. Mustang; Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	81-75	260-1125	Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	81-68	260-1082	Premium Set; Header gskts. incl.; Complete set		
1	Kit Gasket Set	74	260-1125	Thermactor Emission int. manifold gskts. not incl.; Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	73-72	260-1125	Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	71-69	260-1125	w/2 Bbl. Carb.; Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	68	260-1125	Premium set; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-68	381-8015			
1	Steel Block Plug Kit	90-68	381-4010			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-87	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-6115M	205-1115M
	90-87	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6115	205-1115
	86	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-6115M	205-1115M
	86	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6115	205-1115
	85	VIN Code "E"; To 1/85; Check piston grooving before supplying kit; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-888M	205-388M
85	VIN Code "E"; To 1/85; Check piston grooving before supplying kit; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-888	205-388	

(continued on next page)

Ford Car

5.0L 302 OHV V8, 4" Bore 1990-88 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & (cont.) Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

K I T S	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	84	VIN Code "F"; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	205-760M	205-260M	
	84	VIN Code "F"; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	205-760	205-260	
	84-83	VIN Code "M"; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	205-888M	205-388M	
	84-83	VIN Code "M"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	205-888	205-388	
	83	VIN Code "F"; From 12/1/82; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	205-760M	205-260M	
	83	VIN Code "F"; From 12/1/82; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	205-760	205-260	
	82	To 11/30/82; Exc. Mustang; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	82	To 11/30/82; Exc. Mustang; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	
	82	Exc. Mustang; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	205-888M	205-388M	
	82	Exc. Mustang; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	205-888	205-388	
	81-75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	81-75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	
	74	Thermactor Emission int. manifold gskts. not incl.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	74	Thermactor Emission int. manifold gskts. not incl.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	
	73-72	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	73-72	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	
	71-69	w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	71-69	w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	
	68	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	205-653	205-153	
	68	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	205-653M	205-153M	

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

K I T S	OVERHAUL KIT		PREMIUM KIT NO. MKP-6115A MK-6115A	ECONOMY KIT NO. MKP-1115A MK-1115A	K I T S
	YEARS	DESCRIPTION			
	90-89	VIN Code "E"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons		
	90-89	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6115A	505-1115A
	90-89	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. contoured design thrust brg	Mster w/Frg. Pstn. Prm. Rings	MKF-6115A	----
	90-86	VIN Codes "E" & "T"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6158	----
	90-86	VIN Codes "E" & "T"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Block	BK-6158	----
	90-86	Exc. VIN Codes "E" & "T"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6159	----
	90-86	Exc. VIN Codes "E" & "T"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Block	BK-6159	----
	90-86	Exc. VIN Codes "E" & "T"; Premium set; Exh. header gskts. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Block w/Pump & Freeze Plugs	BKP-6160	----
	90-86	Exc. VIN Codes "E" & "T"; Premium set; Exh. header gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Block	BK-6160	----
	90-86	VIN Codes "E" & "T"; Premium set; Exh. header gskts. incl.; Complete set; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. H606P piston	Block w/Pump & Freeze Plugs Block	BKP-6163 BK-6163	---- ----
	90-86	VIN Codes "E" & "T"; Premium set; Exh. header gskts. incl.; Complete set; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. H654P piston	Block w/Pump & Freeze Plugs Block	BKP-6164 BK-6164	---- ----
	90-86	VIN Code "F"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; w/.900" thick cam sprocket hub	Master w/o Pistons	MK-7044	----
	90-86	VIN Code "F"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-7044	----
	90-86	VIN Code "F"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-7044	----
	88	VIN Code "E"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-6115A MK-6115A	MKP-1115A MK-1115A
	88	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6115A	505-1115A
	88	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. contoured design thrust brg	Mster w/Frg. Pstn. Prm. Rings	MKF-6115A	----
	87	VIN Code "E"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-6115A MK-6115A	MKP-1115A MK-1115A

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Ford Car

5.0L 302 OHV V8, 4" Bore 1990-88 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	87	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains 505-6115A	505-1115A	
	87	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. contoured design thrust brg	Master w/Frg. Pstn. Prm. Rings MKF-6115A	----	
	86	VIN Code "E"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-6115A MK-6115A	MKP-1115A MK-1115A	
	86	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains 505-6115A	505-1115A	
	86	VIN Code "E"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. contoured design thrust brg	Master w/Frg. Pstn. Prm. Rings MKF-6115A	----	
	84	VIN Code "F"; w/2 Bbl. Carb.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons MKP-760A MK-760A	MKP-260A MK-260A	
	84	VIN Code "F"; w/2 Bbl. Carb.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-760A	505-260A	
	84	VIN Code "M"; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons MKP-888A MK-888A	MKP-388A MK-388A	
	84	VIN Code "M"; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master w/o Rods & Mains 505-888A	505-388A	
	84-83	VIN Code "M"; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master w/Frg. Pstn. Prm. Rings MKF-888A	----	
	83	VIN Code "F"; From 12/1/82; w/2 Bbl. Carb.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons MKP-760A MK-760A	MKP-260A MK-260A	
	83	VIN Code "F"; From 12/1/82; w/2 Bbl. Carb.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings MKF-760A	----	
	83	VIN Code "F"; From 12/1/82; w/2 Bbl. Carb.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-760A	505-260A	
	83	VIN Code "M"; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons MKP-888A MK-888A	MKP-388A MK-388A	
	83	VIN Code "M"; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master w/o Rods & Mains 505-888A	505-388A	
	82	To 11/30/82; Exc. Mustang; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings MKF-653H	----	
	82	To 11/30/82; VIN Code "F"; Exc. Mustang; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653H	505-153H	
	82	To 11/30/82; VIN Code "F"; Exc. Mustang; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653H MK-653H	MKP-153H MK-153H	

(continued on next page)

Ford Car

44 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	81-80	VIN Code "F"; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings MKF-653H	-----	
	81-80	VIN Code "F"; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653H	505-153H	
	81-80	VIN Code "F"; w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653H MK-653H	MKP-153H MK-153H	
	79-77	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings MKF-653H	-----	
	79-77	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653H	505-153H	
	79-77	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653H MK-653H	MKP-153H MK-153H	
	76	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653G	505-153G	
	76	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master MKP-653G	MKP-153G	
	76	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings MKF-653H	-----	
	76	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons MK-653H	MK-153H	
	76-75	Canada; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653F	505-153F	
	76-75	Canada; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653F MK-653F	MKP-153F MK-153F	
	75	To 5/19/75; U.S.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653F	505-153F	
	75	To 5/19/75; U.S.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653F MK-653F	MKP-153F MK-153F	
	75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653G	505-153G	
	75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master MKP-653G	MKP-153G	
	75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings MKF-653H	-----	
	75	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons MK-653H	MK-153H	
	74	Thermactor Emission int. manifold gskts. not incl.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653F	505-153F	
	74	Thermactor Emission int. manifold gskts. not incl.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653F MK-653F	MKP-153F MK-153F	
	73	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653F	505-153F	
	73	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons MKP-653F MK-653F	MKP-153F MK-153F	
	72	To 5/1/72; w/2 Bbl. Carb.; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-653D	505-153D	

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Ford Car

5.0L 302 OHV V8, 4" Bore 1990-68 **44**

VIN Codes "D" 1969-72, "D" 1993-95 (Cobra), "E" 1985-93, "F" 1968-91, "G" 1969-71 (Boss & Eliminator), "J" 1968, "M" 1983-87, "T" 1991-95 (cont.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. MKP-653D	ECONOMY KIT NO. MKP-153D
	YEARS	DESCRIPTION			
	72	To 5/1/72; w/2 Bbl. Carb.; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master		
	72	To 5/1/72; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings		----
	72	To 5/1/72; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons		MK-153D
	72	From 5/2/72; w/2 Bbl. Carb.; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-153F
	72	From 5/2/72; w/2 Bbl. Carb.; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master		MKP-153F
	72	From 5/2/72; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings		----
	72	From 5/2/72; Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons		MK-153F
	71-69	w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings		----
	71-69	w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-153D
	71-69	w/2 Bbl. Carb.; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons		MKP-153D MK-153D
	68	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings		----
	68	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-153D
	68	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons		MKP-153D MK-153D

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5.1L 312 OHV V8, 3.7969" Bore 1960-56 **45**

VIN Codes "D" 1957, "E" 1956-57, "F" 1957, "L" 1958, "P" 1956-60

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	60-56	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	60-56	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	60-56	223-249	Use w/silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	60-58	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal
	1	Camshaft	57	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal
	1	Camshaft	56	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal
	1	Prelube	60-56	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	60-58	RP-3022	8.3400" O.A.L.
	16	Push Rod	57-56	RP-3022	Exc. VIN Code "E"; 8.3400" O.A.L.
	16	Push Rod, Bulk	60-58	BRP-3022	Carton of 100; 8.3400" O.A.L.
	16	Push Rod, Bulk	57-56	BRP-3022	Exc. VIN Code "E"; Carton of 100; 8.3400" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Shaft Assy.	60-56	RA-1001H	For 1 bank
	1	Shaft Assy.	60-56	RA-1001	For 1 complete Eng.

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Ford Car

45 5.1L 312 OHV V8, 3.7969" Bore 1960-56

(cont.) VIN Codes "D" 1957, "E" 1956-57, "F" 1957, "L" 1958, "P" 1956-60

VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	60-56	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	8	Intake	60	V-1128 Std Only	1.6470" Head Dia., .3420" Stem Dia., 5.0900" O.A.L.
	8	Intake	59-57	V-1285 Std Only	1.9250" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	8	Intake	56	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	60-56	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	8	Guide	60-56	VG-5061	Int.; .3430" ID, 2.3800" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	60-56	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	60-56	MV-1599C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	60-56	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	60-56	MV-1599	Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	60-56	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	60-56	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	59-57	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
	8	Int.	56	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	60-56	VK-115	1 groove; Square cut key groove
	32	Keeper	60-56	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	60-56	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	60-56	259-102C	.015"; Carton of 100
	16	Spring Insert	60-56	259-102B	.030"; Carton of 100
	16	Spring Insert	60-56	259-102A	.060"; Carton of 100
	16	Spring Insert	60-56	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	60-56	1031P Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 9.5:1 C.R.; Use in sets only
	8	Cast Piston - Individual	60-56	W1031P Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 9.5:1 C.R.; Use in sets only
	8	Pin Bushing	60-56	1834V20	1.306" length; .020" extra bore stock
	8	Pin Bushing	60-56	1834V	1.306" max. length
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	60-56	E-175X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
	8	Standard Single Cylinder Set	60-56	WE-175X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	60-56	963M Std-10-20-30	
	1	Rod Set	60-56	8-2000CPA Std-10-20-30-40	8-2000CAA 60 avail. as unplated & resizeable
	8	Rod Pair	60-56	2000CPA Std-1-10-20-30-40	
	1	Cam Set	60-56	1160M Std Only	w/Grooved No. 3 cam journal
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	60-56	224-41123	
	1	Pump Repair Kit	60-56	224-51297	Rotor type
	1	Inter. Shaft	60-56	224-61123	

46 5.2L 317.5 OHV V8 (Lincoln), 3.8125" Bore 1954-52

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	54-52	HT-2083 Std Only	Hyd.
	16	Lifter, Bulk	54-52	HT-2083B Std Only	Hyd.; Carton of 122
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	54-52	RP-3021	9.8200" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Intake	52	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	54-52	VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.
	8	Guide	54-52	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk	54-52	VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	54-52	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	54-52	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	54-52	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	54-52	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

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Ford Car

5.2L 317.5 OHV V8 (Lincoln), 3.8125" Bore 1954-52 **46**

(cont.)

QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	54-52	245-1625-4 Std Only	1.6305" OD, 1.3120" ID, .2175" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	54-52	VK-115	1 groove; Square cut key groove
32	Keeper	54-52	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	54-52	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	54-52	E-288K Std-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	54-52	E-288KC20 20-40	2-5/64, 1-3/16
1	Standard Set	54-52	E-288X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	54-52	WE-288K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	54-52	WE-288X Std-20-30-40-60	2-5/64, 1-3/16

5.4L 332 OHV V8, 4" Bore 1959-58 **47**

VIN Codes "B" 1958-59, "G" 1958-59

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	59-58	222-494	48 Links
1	Cam Sprocket	59-58	223-284	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	59-58	HT-2083 Std Only	Hyd.
16	Lifter, Bulk	59-58	HT-2083B Std Only	Hyd.; Carton of 122
1	Prelube	59-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	59-58	KC-169	Hyd.; Incl. (1) CS-169, (16) HT-2083, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	59	RP-3230R	w/Hyd. lifters; Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.
16	Push Rod	59	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	59	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	59	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	59	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod	59	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
16	Push Rod	58	RP-3023	w/Hyd. lifters; Ball & cup type ends; 9.5300" O.A.L.
16	Push Rod, Bulk	59	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	59	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	59	R-814	
16	Arm	58	R-821	
2	Rocker Shaft	59	RS-621	
2	Rocker Shaft	58	RS-720	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	59-58	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
8	Exhaust, Bulk	59-58	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	59-58	VS-1428	2.3430" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	59-58	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	59-58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	59-58	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
8	Exh.	59-58	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
8	Int.	59-58	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	59-58	VK-138	1 groove; Square cut key groove
32	Keeper	59-58	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	59-58	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	59-58	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	59-58	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	59-58	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	59-58	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	59-58	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	59-58	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16
1	Standard Set	59-58	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
8	Premium Single Cylinder Set	59-58	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16

(continued on next page)

Ford Car

47 5.4L 332 OHV V8, 4" Bore 1959-58

(cont.) VIN Codes "B" 1958-59, "G" 1958-59

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Standard Single Cylinder Set	59-58	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	59-58	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	59-58	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	59-58	4020M Std-10	3.684" max. flange OD	
	1	Rod Set	59-58	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable	
	1	Rod Set	59-58	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.	
	1	Rod Set	59-58	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.	
8	Rod Pair	59-58	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.		
1	Cam Set	59-58	1445M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	59-58	224-41173			
1	Oil Pump	59-58	224-43365A	High Pressure		
1	Oil Pump	59-58	224-41177	High Volume, check pan for clearance		
1	Inter. Shaft	59-58	224-61114			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	59-58	260-1035	Exh. pipe flange not incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	59-58	381-8017			
1	Steel Block Plug Kit	59-58	381-4015			
	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	59-58	Exh. pipe flange not incl.; Squirt hole removed from all Ford V Engs.	Re-ring		205-890	205-390

48 5.6L 341 OHV V8 (Lincoln), 3.9375" Bore 1955

BLOCK	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	55	RP-3021	9.8200" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	55	MV-1599C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	55	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	55	MV-1599	Umbrella type; Carton of 100; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	55	VK-115	1 groove; Square cut key groove
	32	Keeper	55	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	55	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	55	2469V	1.276" length
	8	Pin Bushing	55	1834V20	1.306" length; .020" extra bore stock
	8	Pin Bushing	55	1834V	1.306" max. length
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	55	E-252X Std-30	2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	55	1835CPA Std-10		

49 5.8L 351 OHV V8 (Cleveland), 4" Bore 1974-70

VIN Codes "H" 1970-74, "M" 1970-71, "Q" 1971-74 (Cobra Jet), "R" 1971-72 (Boss)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	74-73	KT3-498SA2	VIN Code "H"; Incl. (1) KT3-498SA2
1	3 Piece Set	74-73	KT3-494SA2	VIN Code "Q"; Incl. (1) 222-494, (1) 223-420A, (1) 223-493
1	3 Piece Set	72-70	KT3-494SA2	Incl. (1) 222-494, (1) 223-420A, (1) 223-493
1	Timing Chain	74-73	222-498	VIN Code "H"; 48 Links
1	Timing Chain	74-73	222-494	VIN Code "Q"; 48 Links
1	Timing Chain	72-70	222-494	48 Links
1	Crank Sprocket	74-73	223-475	VIN Code "H"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-475; 18 Teeth

(continued on next page)

5.8L 351 OHV V8 (Cleveland), 4" Bore 1974-70 **49**
VIN Codes "H" 1970-74, "M" 1970-71, "Q" 1971-74 (Cobra Jet), "R" 1971-72 (Boss) (cont.)

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	74-73	223-493	VIN Code "Q"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Crank Sprocket	72-70	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Cam Sprocket	74-73	223-420A	VIN Code "Q"; 36 Teeth
	1	Cam Sprocket	72-70	223-420A	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	74	CS-650	VIN Code "Q"
	1	Camshaft	74-70	CS-667	VIN Code "H"
	1	Camshaft	73-72	CS-650	VIN Codes "Q" & "R"
	1	Camshaft	71	CS-650	VIN Codes "M", "Q" & "R"
	1	Camshaft	70	CS-650	VIN Code "M"
	16	Lifter	74-70	HT-900 Std Only	Hyd.
	16	Lifter	74-70	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk	74-70	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	74-70	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	1	Prelube	74-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	74-70	KC-667	VIN Code "H"; Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-73	KCT-667A	VIN Code "H"; Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-498SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-73	KCT-650	VIN Code "Q"; Hyd.; Incl. (1) CS-650, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72	KCT-650	VIN Codes "Q" & "R"; Hyd.; Incl. (1) CS-650, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-667	VIN Code "H"; Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71	KCT-650	VIN Codes "M", "Q" & "R"; Hyd.; Incl. (1) CS-650, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	70	KCT-650	VIN Code "M"; Hyd.; Incl. (1) CS-650, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	74-70	RP-3226R	Chrome-Moly; 8.4100" O.A.L.
VALVE TRAIN	16	Push Rod	74-70	RP-3184	8.4120" O.A.L.
	16	Push Rod	72-71	RP-3169	VIN Code "R"; 8.4920" O.A.L.
	16	Push Rod, Bulk	74-70	BRP-3184	Carton of 100; 8.4120" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	74-70	R-855	Incl. arm & pivot
	16	Arm Assy., Bulk	74-70	R-855B	Incl. arm & pivot; Carton of 64
	16	Arm	74-70	R-855A	
	16	Bolt	74-70	MR-1951	5/16" X 18 UNC w/o washer
	16	Pivot	74-70	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	74	V-1879 Std Only	VIN Code "Q"; Chrome plated stem; 1.7100" Head Dia., .3415" Stem Dia., 5.0500" O.A.L.
VALVE TRAIN	8	Exhaust	74-70	V-2030 Std-15	VIN Code "H"; 4 groove; Chrome plated stem; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
	8	Exhaust	73-72	V-1879 Std Only	VIN Codes "Q" & "R"; Chrome plated stem; 1.7100" Head Dia., .3415" Stem Dia., 5.0500" O.A.L.
	8	Exhaust	71	V-1879 Std Only	VIN Codes "M", "Q" & "R"; Chrome plated stem; 1.7100" Head Dia., .3415" Stem Dia., 5.0500" O.A.L.
	8	Exhaust	70	V-1879 Std Only	VIN Code "M"; Chrome plated stem; 1.7100" Head Dia., .3415" Stem Dia., 5.0500" O.A.L.
	8	Exhaust, Bulk	74-70	V-2030B Std-15	VIN Code "H"; 4 groove; Chrome plated stem; Carton of 25; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
	8	Intake	74-70	V-2075 Std-15	VIN Code "H"; 4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
	8	Intake, Bulk	74-70	V-2075B Std-15	VIN Code "H"; 4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	74-70	VG-5005	.3430" ID, 2.2500" O.A.L.
	16	Guide	74-70	VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
VALVE TRAIN	16	Guide	74-70	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk	74-70	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk	74-70	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.

(continued on next page)

Ford Car

49 5.8L 351 OHV V8 (Cleveland), 4" Bore 1974-70

(cont.) VIN Codes "H" 1970-74, "M" 1970-71, "Q" 1971-74 (Cobra Jet), "R" 1971-72 (Boss)

QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	74	VS-717	VIN Code "Q"; Incl. damper; 2.0260" Free Height
16	Spring	74-70	VS-703	VIN Code "H"; 2.0560" Free Height
16	Spring	73-72	VS-717	VIN Codes "Q" & "R"; Incl. damper; 2.0260" Free Height
16	Spring	71	VS-717	VIN Codes "M", "Q" & "R"; Incl. damper; 2.0260" Free Height
16	Spring	70	VS-717	VIN Code "M"; Incl. damper; 2.0260" Free Height
16	Spring, Bulk	74-70	VS-703B	VIN Code "H"; Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	74-70	ST-2001	Exc. VIN Code "R"; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	74-70	ST-2018R	VIN Code "R"; Positive type; Installation requires valve guide machining; Use w/double spring; PTFE
16	Valve Stem Seal	74-73	MV-1817C	VIN Code "H"; Umbrella type; Polyacrylate
16	Valve Stem Seal	74-73	MV-1796C	VIN Code "Q"; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal	72	MV-1817C	VIN Code "H"; Umbrella type; Polyacrylate
16	Valve Stem Seal	72-70	MV-1796C	VIN Code "Q"; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal	71-70	MV-1817C	VIN Codes "H" & "M"; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	74-73	MV-1817	VIN Code "H"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	74-73	MV-1796	VIN Code "Q"; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	74-70	ST-2001BC	Exc. VIN Code "R"; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	74-70	ST-2018RBC	VIN Code "R"; Positive type; Installation requires valve guide machining; Carton of 100; Use w/double spring; PTFE
16	Valve Stem Seal Bulk	72	MV-1817	VIN Code "H"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	72-70	MV-1796	VIN Code "Q"; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	71-70	MV-1817	VIN Codes "H" & "M"; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	74-70	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	74-70	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	74-70	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	74-70	VK-115	1 groove; Square cut key groove
32	Keeper	74-70	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	74-70	VK-205	4 groove
32	Keeper	74-70	VK-205R	4 groove; Hardened
32	Keeper, Bulk	74-70	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	74-70	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	74-70	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	74-70	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	74-70	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	74-70	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	74-70	425NP * Std-20-30-40-60	Exc. VIN Code "R"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9123" Pin Dia., Recessed Head .080" deep x 2.770" dia. - 7.9:1 C.R.
8	Cast Piston	74-70	425P + Std-20-30-40-60	Exc. VIN Code "R"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9123" Pin Dia., Recessed Head .080" deep x 2.770" dia. - 7.9:1 C.R.; When depleted use 425NP
8	Cast Piston	72-70	H555CP Std-20-30-40-60	Hypereutectic; Stock replacement; Must use 96 & higher octane premium fuel; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	74-70	W425NP30 * 30	Exc. VIN Code "R"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9123" Pin Dia., Recessed Head .080" deep x 2.770" dia. - 7.9:1 C.R.
8	Powerforged	72-70	L-2379F Std-30-40	Powerforged; Stock replacement; Must use 96 & higher octane premium fuel; 2-5/64", 1-3/16" Ring Groove, 1.647" CD, .9123" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual	72-70	WL-2379F Std-30-40	Powerforged; Stock replacement; Must use 96 & higher octane premium fuel; 2-5/64", 1-3/16" Ring Groove, 1.647" CD, .9123" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	74-70	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16

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Ford Car

5.8L 351 OHV V8 (Cleveland), 4" Bore 1974-70 49					
VIN Codes "H" 1970-74, "M" 1970-71, "Q" 1971-74 (Cobra Jet), "R" 1971-72 (Boss) (cont.)					
B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	74-70	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	74-70	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	74-70	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	74-70	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	74-70	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	74-70	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	74-70	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-70	4925M Std-1-10-20-30	Use in .002" O/S Rod Bore
	1	Rod Set	74-70	8-3400CP Std-1-10-20-30-40	
	1	Rod Set	74-70	8-3400CP10X2 10X2-20X2-30X2	
	8	Rod Pair	74-70	3400CP Std-1-10-20-30-40	Babbitt material; Full round design
	1	Cam Set	74-70	1403M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	74-70	224-41166	High Volume, check pan for clearance
	1	Oil Pump	74-70	224-41166V	
	1	Pump Repair Kit	74-70	224-51139	
	1	Inter. Shaft	74-70	224-61166	
	1	Screen Assy.	74-70	224-11166	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	74-70	260-1014	Exc. Vin Code "H"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Premium valve stem seals incl. VIN Code "H"; Int. manifold gskt. not incl.; Premium valve stem seals incl. VIN Code "H"
	1	Kit Gasket Set	74-70	260-1014	
	1	Valley Pan Gasket Set	74-70	260-4009	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	74-70	381-8016	
	1	Steel Block Plug Kit	74-70	381-4018	
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	74-70	Exc. Vin Code "H"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	205-624	205-124
	74-70	VIN Code "H"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	205-624	205-124
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	74-73	VIN Code "H"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons	----- MK-624D	MKP-124D MK-124D
	72-70	VIN Code "H"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-624C MK-624C	MKP-124C MK-124C
5.8L 351 OHV V8 (Modified), 4" Bore 1979-75 50					
VIN Code "H" 1975-79					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-75	KT3-498SA2	Incl. (1) KT3-498SA2
	1	Timing Chain	79-75	222-498	48 Links
	1	Crank Sprocket	79-75	223-475	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-475; 18 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79-75	CS-667	Hyd. Hyd.; Carton of 122 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	16	Lifter	79-75	HT-900 Std Only	
	16	Lifter, Bulk	79-75	HT-900B Std Only	
	1	Prelube	79-75	55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-75	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-498SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-75	KCT-667A	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	79-75	RP-3186	9.5000" O.A.L. Carton of 100; 9.5000" O.A.L.
	16	Push Rod, Bulk	79-75	BRP-3186	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	79-75	R-855	Incl. arm & pivot
	16	Arm Assy., Bulk	79-75	R-855B	Incl. arm & pivot; Carton of 64
	16	Arm	79-75	R-855A	

(continued on next page)

Ford Car

50 5.8L 351 OHV V8 (Modified), 4" Bore 1979-75
(cont.) VIN Code "H" 1975-79

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
16	Bolt	79-75	MR-1951	5/16" X 18 UNC w/o washer
16	Pivot	79-75	MR-1811	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	79-78	V-2095 Std-15	Chrome plated stem; 1.6560" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Exhaust	77-75	V-2030 Std-15	4 groove; Chrome plated stem; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Exhaust, Bulk	79-78	V-2095B15 15	1 groove; Chrome plated stem; Carton of 25; 1.6545" Head Dia., .3564" Stem Dia., 5.0500" O.A.L.
8	Exhaust, Bulk	77-75	V-2030B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Intake	79	V-2142 Std-15	1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	78-75	V-2075 Std-15	4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	79	V-2142B15 15	1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	78-75	V-2075B Std-15	4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	79-75	VG-5005	.3430" ID, 2.2500" O.A.L.
16	Guide	79-75	VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
16	Guide	79-75	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide, Bulk	79-75	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
16	Guide, Bulk	79-75	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	79-78	VS-1435	Exh.; 1.9650" Free Height
8	Spring	79-78	VS-703	Int.; 2.0560" Free Height
16	Spring	77-75	VS-703	Exh. & Int.; 2.0560" Free Height
8	Spring, Bulk	79-78	VS-1435B	Exh.; Carton of 250; 1.9650" Free Height
8	Spring, Bulk	79-78	VS-703B	Int.; Carton of 250; 2.0560" Free Height
16	Spring, Bulk	77-75	VS-703B	Exh. & Int.; Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	79-75	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	79-75	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	79-75	MV-1906	Umbrella type; Nylon
16	Valve Stem Seal Bulk	79-75	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	79-75	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	79-75	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	79-75	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	79-78	VK-115	1 groove; Square cut key groove
32	Keeper	79-78	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	78-75	VK-205	4 groove
32	Keeper	78-75	VK-205R	4 groove; Hardened
32	Keeper, Bulk	79-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	79-75	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	79-75	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	79-75	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	79-75	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	79-75	259-103ARS	.060"; ID 1.030"; Carton of 500
8	Rotocap	79-75	RC-140	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	79-75	451P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.918" CD, .9751" Pin Dia., Recessed Head .088" deep x 2.770" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Cast Piston - Individual	79-75	W451P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.918" CD, .9751" Pin Dia., Recessed Head .088" deep x 2.770" dia. w/2 valve reliefs - 7.9:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	79-75	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	79-75	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	79-75	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	79-75	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	79-75	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	79-75	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16

(continued on next page)

Ford Car

5.8L 351 OHV V8 (Modified), 4" Bore 1979-75 **50**

VIN Code "H" 1975-79 (cont.)

BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Repair Sleeve	79-75	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	79-75	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	79-77	5078M Std-1-10-20-30-40	.020" O/S length flange brg.	
	1	Main Set	79-77	7154M10 10-20-30	A-Series aluminum bearings	
	1	Main Set	79-77	5078MA Std-1-10-20-30-40		
	1	Main Set	76-75	5107M Std-1-10-20-30-40		
	1	Rod Set	79-75	8-3400CP Std-1-10-20-30-40	Use in .002" O/S Rod Bore	
	1	Rod Set	79-75	8-3400CP10X2 10X2-20X2-30X2		
KITS	8	Rod Pair	79-75	3400CP Std-1-10-20-30-40		KITS
	1	Cam Set	79-75	1403M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	79-75	224-41166	High Volume, check pan for clearance	
	1	Oil Pump	79-75	224-41166V		
	1	Pump Repair Kit	79-75	224-51139		
	1	Inter. Shaft	79-75	224-61166		
	1	Screen Assy.	79-75	224-11166		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	79-75	260-1014	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
KITS	1	Valley Pan Gasket Set	79-75	260-4004		KITS
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	79-75	381-8016		
	1	Steel Block Plug Kit	79-75	381-4018		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	79-77	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-624	205-124
	79-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains		205-624AM	205-124AM
	76-75	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-624 205-624M	205-124 205-124M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	79	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Master		MKP-624G	MKP-124G
	79	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624G	505-124G
	79	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Master w/o Pistons		MK-624G	MK-124G
	78-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Master		MKP-624G	MKP-124G
	78-77	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624G	505-124G
	78-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Master w/o Pistons		MK-624G	MK-124G
	76-75	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master		MKP-624E	MKP-124E
	76-75	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624G	505-124G
	76-75	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-624M	MK-124M

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **51**

VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-87	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	86-85	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	86-73	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	84	KT3-163SA1	From 3/21/84; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612

(continued on next page)

Ford Car

51 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	84	KT3-163SA	To 3/20/84; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531
1	3 Piece Set	83-80	KT3-163SA	Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531
1	3 Piece Set	72	KT3-358SA	From 5/2/72; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	72	KT3-358S	To 5/1/72; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	3 Piece Set	71-70	KT3-358S	Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	3 Piece Set	69	KT3-358S	Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	Timing Set w/Gaskets	90-88	CTS-2002	Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	87	CTS-2002	From 6/30/87; Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	86-85	CTS-2002	Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	86-79	CTS-2000	Incl. silent type chain
1	Timing Set w/Gaskets	78-73	CTS-2001	Incl. silent type chain
1	Timing Chain	90-87	222-163	Double rlr.; 58 Links
1	Timing Chain	86-80	222-163	Double rlr.; 58 Links
1	Timing Chain	86-69	222-358	Silent type; 58 Links
1	Crank Sprocket	90-87	223-531	Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	86-80	223-531	Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	86-80	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Cam Sprocket	90-87	223-612	Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	86-85	223-612	Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	86-73	223-430	Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	84	223-612	From 3/21/84; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	84	223-468	To 3/20/84; Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth
1	Cam Sprocket	83-80	223-468	Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth
1	Cam Sprocket	72	223-430	From 5/2/72; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	72	223-406	To 5/1/72; 42 Teeth
1	Cam Sprocket	71-69	223-406	42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-87	CS-764	351W firing order; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 110 Degrees
1	Camshaft	86-80	CS-674	351W firing order; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
1	Camshaft	86-80	CS-764	351W firing order; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4720" Int., .4960" Exh.; Lobe Separation 112 Degrees
1	Camshaft	79-69	CS-674	302 firing order; Pro-1500 Perf. Cam; Hyd.; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	90-69	CS-1581R	Hyd.
1	Performance Cam	90-69	CS-1084R	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
1	Performance Cam	90-69	CS-1231R	Hyd.; Carton of 122
1	Performance Cam	80-69	CS-1158R	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
16	Lifter	90-69	HT-900 Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
16	Lifter	90-69	HT-900R Std Only	
16	Lifter, Bulk	90-69	HT-900B Std Only	
16	Lifter, Bulk	90-69	HT-900RB Std Only	
1	Prelube	90-69	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-87	KC-764	Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	90-69	KC-1084R	351W firing order; Hyd.; Incl. Pro-2000 Perf. Cam; Duration at .050: 204 Int., 224 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1084R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	90-69	KC-1231R	351W firing order; Hyd.; Incl. Pro-3000 Perf. Cam; Duration at .050: 214 Int., 224 Exh.; Valve lift .472" Int., .496" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1231R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	86-80	KC-674	Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B

(continued on next page)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **51**

VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71 (cont.)

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	86-80	KC-764	Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	80-69	KC-1008R +	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B; When depleted use KC-1158R
	1	Cam/Lifter Kit	80-69	KC-1158R	302 firing order; Hyd.; Incl. Pro-1500 Perf. Cam; Duration at .050"; 194 Int.; 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1158R, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	79-69	KC-674	Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-87	KCT-764C	Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-85	KCT-764C	Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-80	KCT-674A	Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	84	KCT-764C	From 3/21/84; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	84	KCT-764	To 3/20/84; Hyd.; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) KT3-163SA, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter/Timing Kit	83-80	KCT-764	Hyd.; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) KT3-163SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-73	KCT-674A	Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72	KCT-674A	From 5/2/72; Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72	KCT-674	To 5/1/72; Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) KT3-358S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71-69	KCT-674	Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) KT3-358S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90-80	RP-3323R	Chrome-Moly; 8.1820" O.A.L.
	16	Push Rod	90-80	RP-3209	8.1820" O.A.L.
	16	Push Rod	79-78	RP-3323R	w/Stamped steel rocker arms; Chrome-Moly; 8.1820" O.A.L.
	16	Push Rod	79-78	RP-3209	w/Stamped steel rocker arms; 8.1820" O.A.L.
VALVE TRAIN	16	Push Rod	77-69	RP-3166B	-1/16" shorter length; 8.0920" O.A.L.
	16	Push Rod	77-69	RP-3225R	Chrome-Moly; 8.1440" O.A.L.
	16	Push Rod	77-69	RP-3166	Std. length; 8.1420" O.A.L.
	16	Push Rod, Bulk	90-80	BRP-3209	Carton of 100; 8.1820" O.A.L.
	16	Push Rod, Bulk	79-78	BRP-3209	w/Stamped steel rocker arms; Carton of 100; 8.1820" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-79	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy.	77-69	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
VALVE TRAIN	16	Arm Assy., Bulk	90-79	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Arm Assy., Bulk	78	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Arm Assy., Bulk	78	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm Assy., Bulk	77-69	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm	90-79	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Arm	78	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Pivot Ball	78-70	MR-1809	Use w/R-847
	16	Nut	78-70	MR-1751	Use w/R-847; Self-locking, 3/8" x 24 threads
	16	Nut	78-70	MR-1823	Use w/R-847; 5/16" x 24
	16	Bolt	87-79	MR-1847	5/16" X 18 UNC w/Washer
VALVE TRAIN	16	Pivot	90-78	MR-1811	Use w/R-879
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-79	V-1961 Std-3-15	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.

(continued on next page)

+ Superseded Part Number

Ford Car

51 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69
(cont.) VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71

VALVE
TRAIN

VALVE
TRAIN

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust	78	V-2044 Std Only	w/Cast iron rocker arms; w/o Rotators; Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
8	Exhaust	78	V-1961 Std-3-15	w/Stamped steel rocker arms; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust	77-75	V-2044 Std Only	w/o Rotators; Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
8	Exhaust	74-69	V-1893 Std-15	Chrome plated stem; 1.5400" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	90-79	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	78	V-1961B Std-15	w/Stamped steel rocker arms; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
8	Exhaust, Bulk	74-69	V-1893B15 15	Chrome plated stem; Carton of 25; 1.5400" Head Dia., .3565" Stem Dia., 5.0700" O.A.L.
8	Intake	90-87	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	86-80	V-2045 Std-15	Exc. HO, Police & trailer tow options; Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	79-75	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake	74-69	V-3926 Std-15	Chrome plated stem; 1.8420" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	90-87	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	86-80	V-2045B Std-15	Exc. HO, Police & trailer tow options; Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	79-75	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
8	Intake, Bulk	74-69	V-3926B15 15	Chrome plated stem; Carton of 25; 1.8410" Head Dia., .3570" Stem Dia., 5.0700" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-80	VS-919	Exh.; 1.9000" Free Height
8	Spring	90-80	VS-718	Int.; 2.0280" Free Height
8	Spring	90-77	VS-661	Int.; Incl. damper; 2.0460" Free Height
8	Spring	79-77	VS-733	Exh.; 1.9230" Free Height
8	Spring	79-77	VS-718	Int.; 2.0280" Free Height
16	Spring	76-71	VS-718	2.0280" Free Height
16	Spring	76-69	VS-661	Int. & Exh.; Incl. damper; 2.0460" Free Height
16	Spring	70	VS-718	From 4/24/70; 2.0280" Free Height
16	Spring	70	VS-707	To 4/23/70; Incl. damper; 2.0730" Free Height
16	Spring	69	VS-707	Incl. damper; 2.0730" Free Height
8	Spring, Bulk	90-80	VS-919B	Exh.; Carton of 300; 1.9000" Free Height
8	Spring, Bulk	90-80	VS-718B	Int.; Carton of 250; 2.0280" Free Height
8	Spring, Bulk	79-77	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
8	Spring, Bulk	79-77	VS-718B	Int.; Carton of 250; 2.0280" Free Height
16	Spring, Bulk	76-71	VS-718B	Carton of 250; 2.0280" Free Height
16	Spring, Bulk	70	VS-718B	From 4/24/70; Carton of 250; 2.0280" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90-69	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	83-69	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	90-87	MV-1888C	Int.; Positive type; Viton®
16	Valve Stem Seal	90-69	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal	86	MV-1888C	Int.; From 7/2/86; Positive type; Viton®
16	Valve Stem Seal Bulk	90-87	MV-1888	Int.; Positive type; Carton of 50; Viton®
16	Valve Stem Seal Bulk	90-69	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	90-69	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	86	MV-1888	Int.; From 7/2/86; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-75	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.	90-75	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.	90-75	245-1875-6 Std Only	1.8800" OD, 1.6250" ID, .2160" Depth
8	Exh.	74-69	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
8	Exh.	74-69	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
8	Int.	74-69	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-69	VK-115	1 groove; Square cut key groove
32	Keeper	90-69	VK-115R	1 groove; Square cut key groove; Hardened

(continued on next page)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **51**

VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
32	Keeper, Bulk	90-69	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	90-69	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	90-69	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	90-69	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	90-69	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	90-69	259-103ARS	.060"; ID 1.030"; Carton of 500
8	Rotocap	80-77	RC-140	Exh.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-77	463P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
8	Cast Piston	90-77	H653CP Std-20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9122" Pin Dia., Recessed Head .190" deep oblong; DurOshield® skirt coated piston
8	Cast Piston	90-77	H653P Std-20-30-40-60-80	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9122" Pin Dia., Recessed Head .190" deep oblong
8	Cast Piston	76-72	416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
8	Cast Piston	71-69	416P Std-20-30-40-60	VIN Code "H"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
8	Cast Piston	71-69	336P Std-20-30-40	VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.719" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Cast Piston - Individual	90-77	W463P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
8	Cast Piston - Individual	90-77	WH653P Std-20-30-40-60-80	Hypereutectic; Use w/WE-251KC, WE-251K or WE-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9122" Pin Dia., Recessed Head .190" deep oblong
8	Cast Piston - Individual	76-72	W416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
8	Cast Piston - Individual	71-69	W416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
8	Cast Piston - Individual	71-69	W336P Std-20-30-40	VIN Code "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.719" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
1	Cast Piston Set w/Prem. Rings	90-77	8K463P30 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
1	Cast Piston Set w/Econ. Rings	90-77	8X463P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
8	Powerforged	90-77	L-2446F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep.
8	Powerforged	72-70	L-2378F30 30-40	DurOshield® skirt coated piston.
8	Powerforged	69	L-2378F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.736" CD, .9123" Pin Dia., Recessed Head .160" deep.
8	Powerforged	69	L-2378F30 30-40	DurOshield® skirt coated piston.
8	Forged Piston - Individual	90-77	WL-2446F Std-30-40	VIN Code "H"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.736" CD, .9123" Pin Dia., Recessed Head .160" deep.
8	Forged Piston - Individual	90-77	WL-2446F Std-30-40	DurOshield® skirt coated piston.
8	Forged Piston - Individual	90-77	WL-2446F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep.
8	Forged Piston - Individual	90-77	WL-2446F Std-30-40	DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-69	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	90-69	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	90-69	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
1	Standard Set	90-69	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	90-69	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	90-69	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	90-69	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	90-69	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
8	Repair Sleeve	90-69	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-77	5078M Std-1-10-20-30-40	.020" O/S length flange brg.
1	Main Set	90-77	7154M10 10-20-30	
1	Main Set	90-77	5078MA Std-1-10-20-30-40	A-Series aluminum bearings

(continued on next page)

Ford Car

51 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69
(cont.) VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	76-69	5107M Std-1-10-20-30-40		
	1	Rod Set	90-69	8-3380CPA Std-1-10-20-30-40		
	1	Rod Set	90-69	8-3380A Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Rod Set	90-69	8-3380A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	90-69	8-3380CPA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore	
	8	Rod Pair	90-69	3380CPA Std-1-10-20-30-40		
	8	Rod Pair	90-69	3380A Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set	90-69	1204M Std-10	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Oil Pump	90-69	224-41143		BLOCK
	1	Oil Pump	90-69	224-41143V	High Volume, check pan for clearance	
	1	Inter. Shaft	90-69	224-61143		
	1	Screen Assy.	90-80	224-12143		
	1	Screen Assy.	79	224-11143	Cougar & Thunderbird	
	1	Screen Assy.	79	224-12143	Exc. Cougar & Thunderbird	
	1	Screen Assy.	78-69	224-11143		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-88	260-1446	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87	260-1446	From 5/30/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.	
BLOCK	1	Kit Gasket Set	87	260-1170	To 5/29/87; Valve stem seals not incl.; Premium valve stem seals incl.	BLOCK
	1	Kit Gasket Set	86	260-1170	Valve stem seals from 7/22/86 not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85-84	260-1170	Premium valve stem seals incl.	
	1	Kit Gasket Set	83	260-1170	From 7/11/83; Premium valve stem seals incl.	
	1	Kit Gasket Set	83	260-1126	To 7/10/83; Premium valve stem seals incl.	
	1	Kit Gasket Set	82-77	260-1126	Premium valve stem seals incl.	
	1	Kit Gasket Set	76	260-1126	Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	75	260-1126	Valve stem seals not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	74	260-1028	Thermactor Emission int. manifold gskts. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	73-69	260-1028	Premium valve stem seals incl.	
KITS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Brass Block Plug Kit	90-69	381-8015		
	1	Steel Block Plug Kit	90-69	381-4010		
	RE-RING KIT					
	YEARS	DESCRIPTION				
	90-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6116 205-6116M	205-1116 205-1116M	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6116 205-6116M	205-1116 205-1116M	
	87	To 5/29/87; Valve stem seals not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-761 205-761M	205-261 205-261M	
	86	Valve stem seals from 7/22/86 not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-761 205-761M	205-261 205-261M	
	85-84	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-761 205-761M	205-261 205-261M	
KITS	83	To 7/10/83; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-627A 205-627AM	205-127A 205-127AM	KITS
	83	From 7/11/83; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-761 205-761M	205-261 205-261M	
	82-77	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-627A 205-627AM	205-127A 205-127AM	
	76	Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains	205-627M	205-127M	
	76	Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-627A	205-127A	

(continued on next page)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **51**

VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71 (cont.)

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	75	Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-627M	205-127M	
	75	Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-627A	205-127A	
	74	Thermactor Emission int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-625 205-625M	205-125 205-125M	
	73-69	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-625 205-625M	205-125 205-125M	
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-6116A MK-6116A	MKP-1116A MK-1116A	
	90-88	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-6116A 505-6116A	----- 505-1116A	
	90-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6167	-----	
	90-88	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6167	-----	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-6116A MK-6116A	MKP-1116A MK-1116A	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-6116A 505-6116A	----- 505-1116A	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6167	-----	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6167	-----	
	87	To 5/29/87; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-761C MK-761C	MKP-261C MK-261C	
	87	To 5/29/87; Valve stem seals not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C	
	86	Valve stem seals from 7/22/86 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-761A MK-761A	MKP-261A MK-261A	
	86	Valve stem seals from 7/22/86 not incl.; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761A 505-761A	----- 505-261A	
	86	Valve stem seals from 7/22/86 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-761C MK-761C	MKP-261C MK-261C	
	86	Valve stem seals from 7/22/86 not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C	
	85	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-761C MK-761C	MKP-261C MK-261C	
	85	Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C	
	85-84	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-761A MK-761A	MKP-261A MK-261A	
	85-84	Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761A 505-761A	----- 505-261A	

(continued on next page)

Ford Car

51 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71

YEARS	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
	DESCRIPTION			
84	From 3/21/84; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-761C MK-761C	MKP-261C MK-261C
84	From 3/21/84; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C
84	To 3/20/84; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-761D MK-761D	MKP-261D MK-261D
84	To 3/20/84; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761D 505-761D	----- 505-261D
83	To 7/10/83; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
83	To 7/10/83; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
83	To 7/10/83; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-627D MK-627D	MKP-127D MK-127D
83	To 7/10/83; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627D 505-627D	----- 505-127D
83	From 7/11/83; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-761A MK-761A	MKP-261A MK-261A
83	From 7/11/83; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761A 505-761A	----- 505-261A
83	From 7/11/83; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-761D MK-761D	MKP-261D MK-261D
83	From 7/11/83; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761D 505-761D	----- 505-261D
82-80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
82-80	Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
82-80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-627D MK-627D	MKP-127D MK-127D
82-80	Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627D 505-627D	----- 505-127D
79-77	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
79-77	Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
76	Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627A MK-627A	MKP-127A MK-127A
76	Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-627A	505-127A
75	Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627A MK-627A	MKP-127A MK-127A
75	Valve stem seals not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-627A	505-127A
74	Thermactor Emission int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625C MK-625C	MKP-125C MK-125C
74	Thermactor Emission int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625C	505-125C
73	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625C MK-625C	MKP-125C MK-125C
73	Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625C	505-125C

(continued on next page)

Ford Car

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 51					
VIN Codes "C" 1995-96 (Cobra), "G" 1980-91, "H" 1969-79, "M" 1969-71 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM	ECONOMY
	YEARS	DESCRIPTION	KIT NO.	KIT NO.	
	72	To 5/1/72; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625A MK-625A	MKP-125A MK-125A
	72	To 5/1/72; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625A	505-125A
	72	From 5/2/72; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625C MK-625C	MKP-125C MK-125C
	72	From 5/2/72; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625C	505-125C
	71-70	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625A MK-625A	MKP-125A MK-125A
	71-70	VIN Code "H"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625A	505-125A
	71-70	VIN Code "M"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-625D	MKP-125D
	71-70	VIN Code "M"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625D	505-125D
	69	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-625A MK-625A	MKP-125A MK-125A
	69	VIN Code "H"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625A	505-125A
	69	VIN Code "M"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-625D	MKP-125D
	69	VIN Code "M"; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-625D	505-125D

5.8L 352 OHV V8, 4" Bore 1967-58 52					
VIN Codes "H" 1958-61, "R" 1960-61, "X" 1960-67, "Y" 1960					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	66-64	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396
	1	3 Piece Set	63-58	KT3-494SA4	Incl. (1) 222-494, (1) 223-284, (1) 223-321
	1	Timing Chain	66-58	222-494	48 Links
	1	Crank Sprocket	66-58	223-321	18 Teeth
	1	Cam Sprocket	66-64	223-396	Installation doesn't require spacer on cam nose. Older type Engs. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth
	1	Cam Sprocket	63-58	223-284	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	66-63	CS-443	Hyd.
	16	Lifter	66-64	HT-2083 Std Only	Hyd.
	16	Lifter	63-61	HT-2083 Std Only	Hyd.
	16	Lifter	63-61	AT-872 Std Only	Mech.
	16	Lifter	60-58	HT-2083 Std Only	Hyd.
	16	Lifter, Bulk	66-64	HT-2083B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	63-61	HT-2083B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	63-61	AT-872B Std Only	Mech.; Carton of 122
	16	Lifter, Bulk	60-58	HT-2083B Std Only	Hyd.; Carton of 122
	1	Prelube	66-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	66-63	KC-443	Hyd.; Incl. (1) CS-443, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	62-58	KC-169	Hyd.; Incl. (1) CS-169, (16) HT-2083, (1) 55-403B	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	66-58	RP-3172B	w/Hyd. lifters; Ball & ball type ends; 9.5600" O.A.L.	
16	Push Rod	66-58	RP-3172	w/Hyd. lifters; Ball & ball type ends; 9.6210" O.A.L.	
16	Push Rod	66-58	RP-3172A	w/Hyd. lifters; Ball & ball type ends; 9.6800" O.A.L.	
16	Push Rod	66-58	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.	
16	Push Rod	66-58	RP-3230R	Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.	
16	Push Rod	66-58	RP-3172C	Engs. w/Hyd. lifters, ball type ends, 9.59" O.A.L.; 9.5910" O.A.L.	
16	Push Rod	65-64	RP-3023	w/Mech. lifters; Ball & cup type ends; 9.5300" O.A.L.	
16	Push Rod	61	RP-3023	VIN Codes "H", "R" & "X"; w/Mech. lifters; Ball & cup type ends; 9.5300" O.A.L.	
16	Push Rod	60	RP-3023	VIN Codes "H", "R" & "Y"; w/Mech. lifters; Ball & cup type ends; 9.5300" O.A.L.	
16	Push Rod	58	RP-3023	w/Hyd. lifters; Ball & cup type ends; 9.5300" O.A.L.	

(continued on next page)

Ford Car

52 5.8L 352 OHV V8, 4" Bore 1967-58

(cont.) VIN Codes "H" 1958-61, "R" 1960-61, "X" 1960-67, "Y" 1960

V A L V E T R A I N	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod, Bulk	66-58	BRP-3172B	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
	16	Push Rod, Bulk	66-58	BRP-3172	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	66-58	R-814	w/Hyd. lifters
	16	Arm	66-58	R-821	w/Mech. lifters
	2	Rocker Shaft	66-58	RS-621	w/Hyd. lifters
	2	Rocker Shaft	66-58	RS-720	w/Mech. lifters
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	66-58	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
V A L V E T R A I N	8	Exhaust, Bulk	66-58	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Intake	66-64	V-1809 Std-3	VIN Code "X"; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	63-61	V-1539 Std-15	VIN Code "X"; 2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake	61	V-1809 Std-3	VIN Codes "H", "R" & "X"; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake, Bulk	63-61	V-1539B15 15	VIN Code "X"; Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	66-61	VS-1428	2.3430" Free Height
	16	Spring	60	VS-1428	VIN Code "X"; 2.3430" Free Height
	16	Spring	59-58	VS-1428	2.3430" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	16	Valve Stem Seal	66-58	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	66-58	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	66-58	MV-1775C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	66-58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	66-58	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	66-58	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	66-58	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	66-58	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	8	Int.	66-58	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	66-58	VK-138	1 groove; Square cut key groove
	32	Keeper	66-58	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	66-58	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	66-58	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	66-58	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	66-58	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	66-58	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	66-58	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
B L O C K	8	Cast Piston	66-61	246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston	60	246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston	59-58	246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston - Individual	66-61	W246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston - Individual	60	W246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston - Individual	59-58	W246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Pin Bushing	65-61	2304V	Split type bushing
	8	Pin Bushing	65-61	2304V20	Split type bushing; w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	66-58	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16
B L O C K	1	Standard Set	66-58	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
	8	Premium Single Cylinder Set	66-58	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16
	8	Standard Single Cylinder Set	66-58	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16

(continued on next page)

Ford Car

5.8L 352 OHV V8, 4" Bore 1967-58 52				
VIN Codes "H" 1958-61, "R" 1960-61, "X" 1960-67, "Y" 1960 (cont.)				
B L O C K	QTY	SLEEVE	YEARS	PART NO.
	1	Repair Sleeve	66-58	SL-22M Std Only
	1	Repair Sleeve	65-64	SL-22Y Std Only
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	66-64	4261M Std-1-10-20-30-40-50-60
	1	Main Set	63-58	4020M Std-10
	1	Rod Set	66-58	8-3230CP Std-1-10-20-30-40-50
	1	Rod Set	66-58	8-3230CP10X2 10X2-20X2-30X2-40X2
	1	Rod Set	66-58	8-3230CA60 60
	8	Rod Pair	66-58	3230CP Std-1-2-10-20-30-40-50
	1	Cam Set	66-58	1445M Std Only
	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump	66-58	224-41173
	1	Oil Pump	66-58	224-41177
	1	Inter. Shaft	66-58	224-61114
	QTY	GASKETS	YEARS	PART NO.
	1	Kit Gasket Set	67-58	260-1035
	QTY	FREEZE PLUGS	YEARS	PART NO.
	1	Brass Block Plug Kit	67-58	381-8017
	1	Steel Block Plug Kit	67-58	381-4015
RE-RING KIT				
YEARS		DESCRIPTION		
66-58		Closed heat passage int. manifold gskts. not incl.; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.	Re-ring	
			PREMIUM KIT NO.	ECONOMY KIT NO.
			205-890	205-390

5.9L 361 OHV V8, 4.05" Bore 1959-58 53				
VIN Code "W" 1958-59				
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.
	1	3 Piece Set	59-58	KT3-494SA4
	1	Timing Chain	59-58	222-494
	1	Crank Sprocket	59-58	223-321
	1	Cam Sprocket	59-58	223-284
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	16	Lifter	59-58	HT-2083 Std Only
	16	Lifter, Bulk	59-58	HT-2083B Std Only
	1	Prelube	59-58	55-400
	QTY	CAM KIT	YEARS	PART NO.
	1	Cam/Lifter Kit	59-58	KC-169
	QTY	PUSH ROD	YEARS	PART NO.
	16	Push Rod	59-58	RP-3227R
	16	Push Rod	59-58	RP-3172B
	16	Push Rod	59-58	RP-3172
	16	Push Rod	59-58	RP-3172A
	16	Push Rod	59-58	RP-3172C
	16	Push Rod, Bulk	59-58	BRP-3172B
	16	Push Rod, Bulk	59-58	BRP-3172
	QTY	ROCKER PARTS	YEARS	PART NO.
	16	Arm	59-58	R-814
	2	Rocker Shaft	59-58	RS-621
	QTY	VALVE	YEARS	PART NO.
	8	Exhaust	59-58	V-1853 Std-15
	8	Exhaust, Bulk	59-58	V-1853B Std-15
	QTY	VALVE SPRING	YEARS	PART NO.
	8	Spring	59-58	VS-1428
	QTY	VALVE SEAL	YEARS	PART NO.
	16	Valve Stem Seal	59-58	ST-2002
	16	Valve Stem Seal Bulk	59-58	ST-2002BC

(continued on next page)

Ford Car

53 5.9L 361 OHV V8, 4.05" Bore 1959-58

(cont.) VIN Code "W" 1958-59

B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Exh.	59-58	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth	
	8	Exh.	59-58	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth	
	8	Int.	59-58	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K
	32	Keeper	59-58	VK-138	1 groove; Square cut key groove	
	32	Keeper	59-58	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	59-58	VK-138B	1 groove; Square cut key groove; Carton of 1000	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	59-58	E-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
	1	Standard Set	59-58	E-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
	8	Premium Single Cylinder Set	59-58	WE-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Kit Gasket Set	59-58	260-1035	Closed heat passage int. manifold gskts. not incl.; Exh. pipe flange not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	59-58	381-8017		
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Steel Block Plug Kit	59-58	381-4015		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Steel Block Plug Kit	59-58	381-4015		

54 6.0L 368 OHV V8 (Lincoln), 4" Bore 1957-56

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Lifter	57-56	HT-2083 Std Only	Hyd.	
	16	Lifter, Bulk	57-56	HT-2083B Std Only	Hyd.; Carton of 122	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	8	Guide	57-56	VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.	V A L V E T R A I N
	8	Guide	57-56	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.	
	8	Guide, Bulk	57-56	VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	16	Valve Stem Seal	57-56	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	V A L V E T R A I N
	16	Valve Stem Seal	57-56	MV-1599C	Umbrella type; Rubber	
	16	Valve Stem Seal Bulk	57-56	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	16	Valve Stem Seal Bulk	57-56	MV-1599	Umbrella type; Carton of 100; Rubber	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K
	16	Keeper	57-56	VK-115	1 groove; Square cut key groove	
	16	Keeper	57-56	VK-115R	1 groove; Square cut key groove; Hardened	
	16	Keeper, Bulk	57-56	VK-115B	1 groove; Square cut key groove; Carton of 1000	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Pin Bushing	57-56	1834V20	1.306" length; .020" extra bore stock	
	8	Pin Bushing	57-56	1834V	1.306" max. length	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Premium Set	57-56	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16	B L O C K
	1	Standard Set	57-56	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16	
	8	Premium Single Cylinder Set	57-56	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16	
	8	Standard Single Cylinder Set	57-56	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16	
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Repair Sleeve	57-56	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	57-56	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	8	Rod Pair	57-56	1835CPA Std-10		B L O C K
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	57-56	224-41123		
	1	Pump Repair Kit	57-56	224-51297	Rotor type	

55 6.3L 383 OHV V8 (Mercury), 4.2969" Bore 1960-58

VIN Codes "M" 1958-59, "N" 1959-60

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	60-58	222-491	52 Links	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	60-58	HT-2083 Std Only	Hyd.	
V A L V E T R A I N	16	Lifter, Bulk	60-58	HT-2083B Std Only	Hyd.; Carton of 122	V A L V E T R A I N
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	60-58	VG-5007	Exh.; .3725" ID, 2.3800" O.A.L.	
	8	Guide	60-58	VG-5007T	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.	
B L O C K	8	Guide	60-58	VG-5008	Int.; .3725" ID, 2.7500" O.A.L.	B L O C K
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	60-58	VG-5007	Exh.; .3725" ID, 2.3800" O.A.L.	
	8	Guide	60-58	VG-5008	Int.; .3725" ID, 2.7500" O.A.L.	

(continued on next page)

Ford Car

6.3L 383 OHV V8 (Mercury), 4.2969" Bore 1960-58 55

VIN Codes "M" 1958-59, "N" 1959-60 (cont.)

B L O C K	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Guide	60-58	VG-5076T	Int.; Threaded; .3740" ID, 2.8750" O.A.L.
	8	Guide, Bulk	60-58	VG-5007B	Exh.; Carton of 50; .3725" ID, 2.3800" O.A.L.
	8	Guide, Bulk	60-58	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
	8	Guide, Bulk	60-58	VG-5008B	Int.; Carton of 50; .3725" ID, 2.7500" O.A.L.
	8	Guide, Bulk	60-58	VG-5076TB	Int.; Threaded; Carton of 50; .3740" ID, 2.8750" O.A.L.
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	60-58	ST-2002	Installation requires valve guide machining; Polyacrylate
	8	Valve Stem Seal	60-58	MV-1775C	Exh.; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	60-58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	8	Valve Stem Seal Bulk	60-58	MV-1775	Exh.; Umbrella type; Carton of 100; Polyacrylate
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	60-58	VK-138	1 groove; Square cut key groove
	32	Keeper	60-58	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	60-58	VK-138B	1 groove; Square cut key groove; Carton of 1000
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	60-58	E-183X Std Only	1-5/64, 1-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	8	Rod Pair	60-58	2305CP Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	60-58	224-41173	
	1	Oil Pump	60-58	224-43365A	High Pressure
	1	Oil Pump	60-58	224-41177	High Volume, check pan for clearance
	1	Inter. Shaft	60-58	224-61114	

6.4L 390 OHV V8, 4.05" Bore 1971-61 56

VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	71-63	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396
	1	3 Piece Set	63	KT3-494SA4	VIN Codes "9", "P" & "Z"; Incl. (1) 222-494, (1) 223-284, (1) 223-321
	1	3 Piece Set	62-61	KT3-494SA4	Incl. (1) 222-494, (1) 223-284, (1) 223-321
	1	Timing Chain	71-61	222-494	48 Links
	1	Crank Sprocket	71-61	223-321	18 Teeth
	1	Cam Sprocket	71-64	223-396	Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth
	1	Cam Sprocket	63	223-284	Club, Country Sedan, Country Squire, Galaxie, Ranch Wagon, Sunliner; 36 Teeth
	1	Cam Sprocket	63	223-396	Thunderbird, Colony Park, Commuter, Marauder & Monterey; Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth
	1	Cam Sprocket	62-61	223-284	Club, Country Sedan, Country Squire, Galaxie, Ranch Wagon, Sunliner, Victoria; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	71-70	CS-643	
	1	Camshaft	69	CS-642	VIN Code "Z"
	1	Camshaft	69	CS-643	VIN Codes "X" & "Y"
	1	Camshaft	68	CS-642	VIN Codes "S" & "Z"
	1	Camshaft	68-67	CS-643	VIN Codes "H", "X" & "Y"
	1	Camshaft	67-66	CS-642	VIN Codes "P", "S" & "Z"
	1	Camshaft	66	CS-443	VIN Code "Y"; Hyd.
	1	Camshaft	65-63	CS-443	Hyd.
	16	Lifter	71-61	HT-2083 Std Only	Hyd.
	16	Lifter	71-61	AT-872 Std Only	Mech.
	16	Lifter, Bulk	71-61	HT-2083B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	71-61	AT-872B Std Only	Mech.; Carton of 122
	1	Prelube	71-61	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	71-70	KC-643	Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) 55-403B
	1	Cam/Lifter Kit	69	KC-642	VIN Code "Z"; Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B
	1	Cam/Lifter Kit	69	KC-643	VIN Codes "X" & "Y"; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) 55-403B

(continued on next page)

Ford Car

56 6.4L 390 OHV V8, 4.05" Bore 1971-61

(cont.) VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

VALVE
TRAIN

VALVE
TRAIN

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	68	KC-642	VIN Codes "S" & "Z"; Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	68-67	KC-643	VIN Codes "H", "X" & "Y"; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	67-66	KC-642	VIN Codes "P", "S" & "Z"; Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	66	KC-443	VIN Code "Y"; Hyd.; Incl. (1) CS-443, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	65-63	KC-443	Hyd.; Incl. (1) CS-443, (16) HT-2083, (1) 55-403B
1	Cam/Lifter Kit	62-61	KC-169	Hyd.; Incl. (1) CS-169, (16) HT-2083, (1) 55-403B
1	Cam/Lifter/Timing Kit	71-70	KCT-643	Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	69	KCT-643	VIN Codes "X" & "Y"; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA1, (1) 55-403B
1	Cam/Lifter/Timing Kit	68-67	KCT-643	VIN Codes "H", "X" & "Y"; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA1, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	71-66	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	71-66	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	71-66	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	71-66	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod	71-66	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
16	Push Rod	65	RP-3227R	w/Hyd. lifters; Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	65	RP-3172B	w/Hyd. lifters; Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	65	RP-3172	w/Hyd. lifters; Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	65	RP-3172A	w/Hyd. lifters; Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod	65-61	RP-3172C	w/Hyd. lifters; 9.59" O.A.L.; 9.5910" O.A.L.
16	Push Rod	65-61	RP-3230R	w/Mech. lifters; Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.
16	Push Rod	65-61	RP-3023	w/Mech. lifters; Ball & cup type ends; 9.5300" O.A.L.
16	Push Rod	64	RP-3059	To 12/23/63; w/Hyd. lifters; 9.7700" O.A.L.
16	Push Rod	64-63	RP-3227R	w/Hyd. lifters; Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	64-63	RP-3172B	w/Hyd. lifters; Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	64-63	RP-3172	w/Hyd. lifters; Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	64-63	RP-3172A	w/Hyd. lifters; Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod	63	RP-3059	w/Hyd. lifters; 9.7700" O.A.L.
16	Push Rod	62-61	RP-3227R	w/Hyd. lifters; Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	62-61	RP-3172B	w/Hyd. lifters; Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	62-61	RP-3172	w/Hyd. lifters; Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	62-61	RP-3172A	w/Hyd. lifters; Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod, Bulk	71-66	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	71-66	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
16	Push Rod, Bulk	65	BRP-3172B	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	65	BRP-3172	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
16	Push Rod, Bulk	64-63	BRP-3172B	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	64-63	BRP-3172	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
16	Push Rod, Bulk	62-61	BRP-3172B	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	62-61	BRP-3172	w/Hyd. lifters; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	71-61	R-821	Adj.
16	Arm	71-61	R-814	Non-Adj.
2	Rocker Shaft	71-61	RS-621	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	71-61	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
8	Exhaust, Bulk	71-61	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
8	Intake	71-61	V-1809 Std-3	Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
8	Intake	71-61	V-1539 Std-15	2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.

(continued on next page)

Ford Car

6.4L 390 OHV V8, 4.05" Bore 1971-61 **56**

VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" (cont.) 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Intake, Bulk	71-61	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	71-61	VG-5007	Exh. & Int.; .3725" ID, 2.3800" O.A.L.
16	Guide	71-61	VG-5007T	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	71-61	VG-5007B	Exh. & Int.; Carton of 50; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	71-61	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	71-66	VS-682	Incl. damper; 2.1200" Free Height
16	Spring	65-63	VS-682	VIN Code "M"; Incl. damper; 2.1200" Free Height
16	Spring, Bulk	71-66	VS-682B	Incl. damper; Carton of 200; 2.1200" Free Height
16	Spring, Bulk	65-63	VS-682B	VIN Code "M"; Incl. damper; Carton of 200; 2.1200" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	71-61	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
16	Valve Stem Seal	71-61	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	71-70	MV-1775C	Umbrella type; Polyacrylate
16	Valve Stem Seal	69-68	MV-1775C	Exc. VIN Code "S"; Umbrella type; Polyacrylate
16	Valve Stem Seal	67-66	MV-1775C	Exc. VIN Codes "M" & "S"; Umbrella type; Polyacrylate
16	Valve Stem Seal	65-61	MV-1775C	Exc. VIN Code "M"; Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	71-70	MV-1775	Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	71-61	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
16	Valve Stem Seal Bulk	71-61	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	69-68	MV-1775	Exc. VIN Code "S"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	67-66	MV-1775	Exc. VIN Codes "M" & "S"; Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	65-61	MV-1775	Exc. VIN Code "M"; Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	71-61	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
8	Exh.	71-61	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
8	Int.	71-61	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	71-61	VK-138	1 groove; Square cut key groove
32	Keeper	71-61	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	71-61	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	71-61	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	71-61	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	71-61	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	71-61	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	71-61	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	71	381P + Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use 381NP
8	Cast Piston	71	381NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets
8	Cast Piston	70-61	H304P Std-20-30-40-60	Hypereutectic; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.759" CD, .9751" Pin Dia., Recessed Head .080" deep x 3.220" dia. w/4 valve reliefs
8	Cast Piston - Individual	71	W381P + Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use W381NP
8	Cast Piston - Individual	71	W381NP * Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets
8	Cast Piston - Individual	70-61	WH304P Std-20-30-40-60	Hypereutectic; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.759" CD, .9751" Pin Dia., Recessed Head .080" deep x 3.220" dia. w/4 valve reliefs
8	Powerforged	69	L-2291F Std-20-30-40-60	VIN Code "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.

(continued on next page)

Ford Car

56 6.4L 390 OHV V8, 4.05" Bore 1971-61

(cont.) VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Powerforged	68	L-2291F Std-20-30-40-60	VIN Codes "S" & "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	67-66	L-2291F Std-20-30-40-60	VIN Codes "P", "S" & "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	69	WL-2291F Std-20-30-40-60	VIN Code "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68	WL-2291F Std-20-30-40-60	VIN Codes "S" & "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-66	WL-2291F Std-20-30-40-60	VIN Codes "P", "S" & "Z"; Powerforged; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.776" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Pin Bushing	71-64	2304V	Split type bushing
	8	Pin Bushing	71-64	2304V20	Split type bushing; w/.020" extra bore stock
	8	Pin Bushing	63-61	2304V	Split type bushing
	8	Pin Bushing	63-61	2304V20	Split type bushing; w/.020" extra bore stock
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	71-61	E-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	1	Premium Set	71-61	E-260K Std Only	2-5/64, 1-3/16; Check piston grooving before using
	1	Standard Set	71-61	E-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	8	Premium Single Cylinder Set	71-61	WE-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	8	Standard Single Cylinder Set	71-61	WE-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	71-61	SL-197M Std Only	3/32" wall, cut to length; Press fit sleeve
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	71-61	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD
BLOCK	1	Main Set	63-61	4020M Std-10	3.684" max. flange OD
	1	Rod Set	71-61	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	71-61	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
	1	Rod Set	71-61	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	8	Rod Pair	71-61	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.
	1	Cam Set	71-61	1445M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	71-69	224-41173	High Volume, check pan for clearance
	1	Oil Pump	71-69	224-41177	High Pressure
	1	Oil Pump	71-66	224-43365A	Exc. VIN Code "S"
BLOCK	1	Oil Pump	68	224-41173	VIN Code "S"
	1	Oil Pump	68	224-41169	High Volume, check pan for clearance
	1	Oil Pump	68-61	224-41177	Exc. VIN Codes "M" & "S"
	1	Oil Pump	67-66	224-41173	VIN Codes "M" & "S"
	1	Oil Pump	67-66	224-41169	Exc. VIN Code "M"
	1	Oil Pump	65-61	224-41173	VIN Code "M"
	1	Oil Pump	65-61	224-41169	
	1	Inter. Shaft	71-61	224-61114	
	1	Screen Assy.	71-66	224-14158	
	1	Screen Assy.	65-61	224-14159	Exc. VIN Code "M"
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	71-61	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
KITS	1	Brass Block Plug Kit	71-61	381-8017	
	1	Steel Block Plug Kit	71-61	381-4015	
	RE-RING KIT				
KITS	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	71-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set	Re-ring	205-601	205-101
KITS	71-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Re-ring w/Mains	205-601M	205-101M

(continued on next page)

Ford Car

6.4L 390 OHV V8, 4.05" Bore 1971-61 **56**

VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" (cont.) 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set	Re-ring	205-601	205-101	
	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Re-ring w/Mains	205-601M	205-101M	
	65-61	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set	Re-ring	205-601	205-101	
	65-61	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Re-ring w/Mains	205-601M	205-101M	
K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	71	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601C	MK-101C	
	71	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601F	MKP-101F	
	71	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601F	MK-101F	
	70	Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601C	MKP-101C	
	70	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601C	MK-101C	
	70	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601D	MKP-101D	
	69	VIN Codes "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601C	MKP-101C	
	69	VIN Codes "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601C	MK-101C	
	69	VIN Codes "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601D	MKP-101D	
	69	VIN Code "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601E	MK-101E	
	69	VIN Code "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601E	MKP-101E	

(continued on next page)

Ford Car

56 6.4L 390 OHV V8, 4.05" Bore 1971-61

(cont.) VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MK-601E	ECONOMY KIT NO. MK-101E	K I T S
	YEARS	DESCRIPTION			
	68	VIN Codes "S" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master w/o Pistons	MKP-601E	MKP-101E
	68	VIN Codes "S" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601E	MKP-101E
	68-67	VIN Codes "H", "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601C	MKP-101C
	68-67	VIN Codes "H", "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601C	MK-101C
	68-67	VIN Codes "H", "X" & "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601D	MKP-101D
	67	VIN Codes "P", "S" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601E	MKP-101E
	67-66	VIN Codes "P", "S" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601E	MK-101E
	66	VIN Codes "P", "S" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master	MKP-601E	MKP-101E
	66	VIN Code "Y"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601L	MK-101L
	65	Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601L	MK-101L
	64	Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons	MK-601L	MK-101L
	63	VIN Codes "9", "P" & "Z"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601J	MK-101J
	63	VIN Code "M"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601K	MK-101K
	62	Exc. VIN Code "M"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601G	MK-101G

(continued on next page)

Ford Car

6.4L 390 OHV V8, 4.05" Bore 1971-61 56					
VIN Codes "H" 1964-69, "M" 1961-67, "P" 1963-67, "Q" 1961-62, "R" 1961-62, "S" 1966-70 (GT), "X" (cont.) 1967-70, "Y" 1964-71, "Z" 1961-68, "9" 1963-65					
K I T S	OVERHAUL KIT (cont.)		PREMIUM	ECONOMY	
	YEARS	DESCRIPTION	KIT NO.	KIT NO.	
	62	Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601H MK-101H	
	61	Exc. VIN Code "M"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601G MK-101G	
	61	Exh. pipe flange not incl.; Exh. heat shields not incl.; Hyd. lifters incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.684" max. brg. flange OD	Master w/o Pistons	MK-601H MK-101H	
6.6L 400 OHV V8, 4" Bore 1979-71 57					
VIN Code "S" 1971-79					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-73	KT3-498SA2	Incl. (1) KT3-498SA2
	1	3 Piece Set	72-71	KT3-494SA2	Incl. (1) 222-494, (1) 223-420A, (1) 223-493
	1	Timing Chain	79-73	222-498	48 Links
	1	Timing Chain	72-71	222-494	48 Links
	1	Crank Sprocket	79-73	223-475	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-475; 18 Teeth
	1	Crank Sprocket	72-71	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Cam Sprocket	72-71	223-420A	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79-71	CS-667	Hyd.
	16	Lifter	79-71	HT-900 Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	79-71	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube	79-71	55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-71	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-73	KCT-667A	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-498SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-71	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	79-71	RP-3186	9.5000" O.A.L.
	16	Push Rod, Bulk	79-71	BRP-3186	Carton of 100; 9.5000" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	79-71	R-855	Incl. arm & pivot
	16	Arm Assy., Bulk	79-71	R-855B	Incl. arm & pivot; Carton of 64
	16	Arm	79-71	R-855A	
16	Bolt	79-71	MR-1951	5/16" X 18 UNC w/o washer	
16	Pivot	79-71	MR-1811		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	79-78	V-2095 Std-15	Chrome plated stem; 1.6560" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.	
8	Exhaust	77-71	V-2030 Std-15	4 groove; Chrome plated stem; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.	
8	Exhaust, Bulk	79-78	V-2095B15 15	1 groove; Chrome plated stem; Carton of 25; 1.6545" Head Dia., .3564" Stem Dia., 5.0500" O.A.L.	
8	Exhaust, Bulk	77-71	V-2030B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.	
8	Intake	79	V-2142 Std-15	1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.	
8	Intake	78-71	V-2075 Std-15	4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.	
8	Intake, Bulk	79	V-2142B15 15	1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.	
8	Intake, Bulk	78-71	V-2075B Std-15	4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.	

(continued on next page)

Ford Car

57 6.6L 400 OHV V8, 4" Bore 1979-71

(cont.) VIN Code "S" 1971-79

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	79-71	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	79-71	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	79-78	VS-1435	Exh.; 1.9650" Free Height
8	Spring	79-78	VS-703	Int.; 2.0560" Free Height
16	Spring	77-71	VS-703	Exh. & Int.; 2.0560" Free Height
8	Spring, Bulk	79-78	VS-1435B	Exh.; Carton of 250; 1.9650" Free Height
8	Spring, Bulk	79-78	VS-703B	Int.; Carton of 250; 2.0560" Free Height
16	Spring, Bulk	77-71	VS-703B	Exh. & Int.; Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	79-71	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	79-71	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	79-71	MV-1817C	Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	79-71	MV-1817	Umbrella type; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	79-71	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	79-71	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	79-71	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	79-71	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	79-77	VK-115	1 groove; Square cut key groove
32	Keeper	79-77	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	79-77	VK-205	4 groove
32	Keeper	79-77	VK-205R	4 groove; Hardened
32	Keeper	76-71	VK-205	4 groove
32	Keeper	76-71	VK-205R	4 groove; Hardened
32	Keeper, Bulk	79-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	79-71	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	79-71	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	79-71	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	79-71	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	79-71	259-103ARS	.060"; ID 1.030"; Carton of 500
8	Rotocap	79-71	RC-140	Exh.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	79-71	427P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Cast Piston - Individual	79-71	W427P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	79-71	8K427P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
1	Cast Piston Set w/Econ. Rings	79-71	8X427P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	79-71	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	79-71	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	79-71	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	79-71	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	79-71	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	79-71	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	79-71	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
1	Repair Sleeve	79-71	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-77	5078M Std-1-10-20-30-40	.020" O/S length flange brg.
1	Main Set	79-77	7154M10 10-20-30	A-Series aluminum bearings
1	Main Set	79-77	5078MA Std-1-10-20-30-40	
1	Main Set	76-71	5107M Std-1-10-20-30-40	
1	Rod Set	79-71	8-3400CP Std-1-10-20-30-40	
1	Rod Set	79-71	8-3400CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
8	Rod Pair	79-71	3400CP Std-1-10-20-30-40	
1	Cam Set	79-71	1403M Std Only	Babbitt material; Full round design

(continued on next page)

Ford Car

6.6L 400 OHV V8, 4" Bore 1979-71 **57**

VIN Code "S" 1971-79 (cont.)

BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	79-71	224-41166	High Volume, check pan for clearance	
	1	Oil Pump	79-71	224-41166V		
	1	Pump Repair Kit	79-71	224-51139		
	1	Inter. Shaft	79-71	224-61166		
	1	Screen Assy.	78-71	224-11166		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	79-71	260-1014	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	79-75	260-4004		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	79-71	381-8016			
1	Steel Block Plug Kit	79-71	381-4018			

K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	79-77	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring	205-624	205-124	
	79-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains	205-624AM	205-124AM	
	76-71	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-624 205-624M	205-124 205-124M	
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	79-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master w/o Pistons	MK-624G	MK-124G	
	79-77	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-624M	505-124M	
	79-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master	MKP-624N	MKP-124N	
	76-74	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-624M MK-624M 505-624M	MKP-124M MK-124M 505-124M	
	73	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-624M MK-624M 505-624M	MKP-124M MK-124M 505-124M	
	72-71	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-624P	505-124P	

6.6L 406 OHV V8, 4.125" Bore 1963-62 **58**

VIN Codes "B" 1962-63, "G" 1962-63

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	63	KT3-494SA4	Galaxie; Incl. (1) 222-494, (1) 223-284, (1) 223-321	
	1	3 Piece Set	63	KT3-494SA1	Thunderbird & Monterey; Incl. (1) 222-494, (1) 223-321, (1) 223-396	
	1	3 Piece Set	62	KT3-494SA4	Exc. Mercury; Incl. (1) 222-494, (1) 223-284, (1) 223-321	
	1	3 Piece Set	62	KT3-494SA1	Mercury; Incl. (1) 222-494, (1) 223-321, (1) 223-396	
	1	Timing Chain	63-62	222-494	48 Links	
	1	Crank Sprocket	63-62	223-321	18 Teeth	
	1	Cam Sprocket	63	223-284	Galaxie; 36 Teeth	
	1	Cam Sprocket	63	223-396	Mercury & Thunderbird; Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth	
	1	Cam Sprocket	62	223-284	Exc. Mercury; 36 Teeth	
	1	Cam Sprocket	62	223-396	Mercury; Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	63-62	AT-872 Std Only	Mech.	
	16	Lifter, Bulk	63-62	AT-872B Std Only	Mech.; Carton of 122	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	63-62	RP-3230R	Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.	
	16	Push Rod	63-62	RP-3023	Ball & cup type ends; 9.5300" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm	63-62	R-821	Adj.	

(continued on next page)

Ford Car

58 6.6L 406 OHV V8, 4.125" Bore 1962-63

(cont.) VIN Codes "B" 1962-63, "G" 1962-63

VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	63-62	V-1853 Std-15	w/C2AZ-6049A cyl. head; Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Exhaust	63-62	V-1875 Std Only	w/C2AZ-6049B cyl. head; Chrome plated stem; 1.6520" Head Dia., .3705" Stem Dia., 5.4260" O.A.L.
	8	Exhaust, Bulk	63-62	V-1853B Std-15	w/C2AZ-6049A cyl. head; Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	63-62	VG-5007	Exh. & Int.; Mercury; .3725" ID, 2.3800" O.A.L.
	16	Guide	63-62	VG-5007T	Exh. & Int.; Mercury; Threaded; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	63-62	VG-5007B	Exh. & Int.; Mercury; Carton of 50; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	63-62	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Spring	63-62	VS-717	Incl. damper; 2.0260" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	63-62	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	63-62	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	63-62	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	63-62	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	63-62	245-1687-1 Std Only	w/C2AZ-6049A cyl. head; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	63-62	245-1750-2N Std Only	w/C2AZ-6049B cyl. head; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	63-62	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
BLOCK	8	Exh.	63-62	245-1750-2 Std Only	W/C2AZ-6049B cyl. head; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	63-62	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	63-62	VK-138	1 groove; Square cut key groove
	32	Keeper	63-62	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	63-62	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	63-62	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	63-62	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	63-62	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	63-62	259-103A	.060"; ID 1.030"; Carton of 100
BLOCK	16	Spring Insert	63-62	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	63-62	2304V	Split type bushing
	8	Pin Bushing	63-62	2304V20	Split type bushing; w/.020" extra bore stock
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	63-62	4020M Std-10	3.684" max. flange OD
	1	Rod Set	63-62	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	63-62	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
	1	Rod Set	63-62	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	8	Rod Pair	63-62	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.
BLOCK	1	Cam Set	63-62	1445M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	63-62	224-43365A	High Pressure
	1	Oil Pump	63-62	224-41177	High Volume, check pan for clearance
	1	Inter. Shaft	63-62	224-61114	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	63-62	260-1035	Closed heat passage int. manifold gskts. not incl.; Exh. pipe flange not incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	63-62	381-8017	
	1	Steel Block Plug Kit	63-62	381-4015	

Ford Car

6.7L 410 OHV V8 (Mercury), 4.05" Bore 1967-66 **59**

VIN Code "M" 1966-67

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-66	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396
1	Timing Chain	67-66	222-494	48 Links
1	Crank Sprocket	67-66	223-321	18 Teeth
1	Cam Sprocket	67-66	223-396	Installation doesn't require spacer on cam nose. Older type Eng's. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	67-66	CS-642	Hyd.
16	Lifter	67-66	HT-2083 Std Only	Hyd.; Carton of 122
16	Lifter, Bulk	67-66	HT-2083B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	67-66	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	67-66	KC-642	Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	67-66	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
16	Push Rod	67-66	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
16	Push Rod	67-66	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
16	Push Rod	67-66	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
16	Push Rod	67-66	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
16	Push Rod, Bulk	67-66	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
16	Push Rod, Bulk	67-66	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	67-66	R-814	
2	Rocker Shaft	67-66	RS-621	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	67-66	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
8	Exhaust, Bulk	67-66	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
8	Intake	67-66	V-1809 Std-3	Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
8	Intake	67-66	V-1539 Std-15	2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
8	Intake, Bulk	67-66	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	67-66	VG-5007	Exh. & Int.; .3725" ID, 2.3800" O.A.L.
16	Guide	67-66	VG-5007T	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	67-66	VG-5007B	Exh. & Int.; Carton of 50; .3725" ID, 2.3800" O.A.L.
16	Guide, Bulk	67-66	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	67-66	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal	67-66	MV-1775C	Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	67-66	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
16	Valve Stem Seal Bulk	67-66	MV-1775	Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	67-66	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
8	Exh.	67-66	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
8	Int.	67-66	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	67-66	VK-138	1 groove; Square cut key groove
32	Keeper	67-66	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	67-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	67-66	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	67-66	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	67-66	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	67-66	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	67-66	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	67-66	381P + Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use 381NP
8	Cast Piston	67-66	381NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets
8	Cast Piston - Individual	67-66	W381P + Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use W381NP

(continued on next page)

+ Superseded Part Number

Ford Car

59 6.7L 410 OHV V8 (Mercury), 4.05" Bore 1967-66

(cont.) VIN Code "M" 1966-67

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	67-66	W381NP * Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets	
	8	Pin Bushing	67-66	2304V	Split type bushing	
	8	Pin Bushing	67-66	2304V20	Split type bushing; w/.020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	67-66	E-180K	Std-20-30-40-60	
	1	Standard Set	67-66	E-180X	Std-20-30-40-60	
	8	Premium Single Cylinder Set	67-66	WE-180K	Std-20-30-40-60	
	8	Standard Single Cylinder Set	67-66	WE-180X	Std-20-30-40-60	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Main Set	67-66	4261M	Std-1-10-20-30-40-50-60	BLOCK
	1	Rod Set	67-66	8-3230CP	Std-1-10-20-30-40-50	
	1	Rod Set	67-66	8-3230CP10X2	10X2-20X2-30X2-40X2	
	1	Rod Set	67-66	8-3230CA60	60	
	8	Rod Pair	67-66	3230CP	Std-1-2-10-20-30-40-50	
	1	Cam Set	67-66	1445M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	67-66	224-41173		
	1	Oil Pump	67-66	224-43365A	High Pressure	
	1	Oil Pump	67-66	224-41177	High Volume, check pan for clearance	
KITS	1	Inter. Shaft	67-66	224-61114		KITS
	1	Screen Assy.	67	224-14158		
	1	Screen Assy.	66	224-14159		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	67-66	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	67-66	381-8017		
	1	Steel Block Plug Kit	67-66	381-4015		
	RE-RING KIT					
	YEARS	DESCRIPTION				
KITS	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set		Re-ring		KITS
					PREMIUM KIT NO. 205-601	
	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD		Re-ring w/Mains		
					205-601M	
					205-101	
					205-101M	
	OVERHAUL KIT					
	YEARS	DESCRIPTION				
	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD		Master w/o Pistons		
					PREMIUM KIT NO. MK-601E	
					ECONOMY KIT NO. MK-101E	

60 6.7L 410 OHV V8 (Edsel), 4.2031" Bore 1958

VIN Code "X" 1958

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	58	4130M	Std-10
8	Rod Pair	58	2305CP	Std-10

61 7.0L 427 OHV V8, 4.2328" Bore 1969-63

VIN Codes "L" 1965-67, "M" 1965-67, "Q" 1963-65, "R" 1963-68, "W" 1966-69

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	68-63	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396
1	Timing Chain	68-63	222-494	48 Links
1	Crank Sprocket	68-63	223-321	18 Teeth
1	Cam Sprocket	68-63	223-396	Installation doesn't require spacer on cam nose. Older type Engs. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth

(continued on next page)

Ford Car

7.0L 427 OHV V8, 4.2328" Bore 1969-63 **61**

VIN Codes "L" 1965-67, "M" 1965-67, "Q" 1963-65, "R" 1963-68, "W" 1966-69 (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	68-63	HT-2083 Std Only	Hyd.
	16	Lifter	68-63	AT-872 Std Only	Mech.
	16	Lifter, Bulk	68-63	HT-2083B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	68-63	AT-872B Std Only	Mech.; Carton of 122
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	68	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
	16	Push Rod	68	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
	16	Push Rod	68	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
	16	Push Rod	68	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
	16	Push Rod	68	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
	16	Push Rod	67-63	RP-3230R	Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.
	16	Push Rod	67-63	RP-3023	Ball & cup type ends; 9.5300" O.A.L.
	16	Push Rod, Bulk	68	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
	16	Push Rod, Bulk	68	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	68-63	R-821	Adj.
	16	Arm	68-63	R-814	Non-Adj.
	2	Rocker Shaft	68-63	RS-621	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	68-63	V-1875 Std Only	Chrome plated stem; 1.6520" Head Dia., .3705" Stem Dia., 5.4260" O.A.L.
	8	Intake	68	V-1876 Std Only	Chrome plated stem; 2.0870" Head Dia., .3710" Stem Dia., 5.4470" O.A.L.
	8	Intake	67-66	V-1876 Std Only	Chrome plated stem; 2.0870" Head Dia., .3710" Stem Dia., 5.4470" O.A.L.
	8	Intake	65	V-1876 Std Only	Chrome plated stem; 2.0870" Head Dia., .3710" Stem Dia., 5.4470" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	68-63	VG-5007	Exh. & Int.; Monterey; .3725" ID, 2.3800" O.A.L.
	16	Guide	68-63	VG-5007T	Exh. & Int.; Monterey; Threaded; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	68-63	VG-5007B	Exh. & Int.; Monterey; Carton of 50; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	68-63	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	68-63	VS-717	Incl. damper; 2.0260" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	68-63	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	68	MV-1775C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	68	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	68-63	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	68-63	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	68-63	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	68-63	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	68-63	VK-138	1 groove; Square cut key groove
	32	Keeper	68-63	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	68-63	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	68-63	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	68-63	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	68-63	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	68-63	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	68-63	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	68-66	2304V	Split type bushing
	8	Pin Bushing	68-66	2304V20	Split type bushing; w/.020" extra bore stock
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-63	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD
	1	Main Set	63	4020M Std-10	3.684" max. flange OD
	1	Rod Set	68-63	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	68-63	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
	1	Rod Set	68-63	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	8	Rod Pair	68-63	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.

(continued on next page)

Ford Car

61 7.0L 427 OHV V8, 4.2328" Bore 1969-63

(cont.) VIN Codes "L" 1965-67, "M" 1965-67, "Q" 1963-65, "R" 1963-68, "W" 1966-69

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	(cont.) Cam Set	68-63	1445M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	68-63	224-43365A	High Pressure	
	1	Oil Pump	68-63	224-41177	High Volume, check pan for clearance	
BLOCK	1	Inter. Shaft	68-63	224-61114		
	1	Screen Assy.	68	224-14158		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-63	260-1035	Closed heat passage int. manifold gskts. not incl.; Exh. pipe flange not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-63	381-8017		
	1	Steel Block Plug Kit	69-63	381-4015		

62 7.0L 428 OHV V8, 4.13" Bore 1970-66

VIN Codes "P" 1966-70 (Police), "Q" 1966-70, "R" 1968-70 (Cobra Jet & Super Cobra Jet)

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	3 Piece Set	70-66	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396	
	1	Timing Chain	70-66	222-494	48 Links	
	1	Crank Sprocket	70-66	223-321	18 Teeth	
	1	Cam Sprocket	70-66	223-396	Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth	
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Camshaft	68-66	CS-642	VIN Codes "Q" & "R"	
	16	Lifter	70-67	HT-2083	Std Only	
	16	Lifter	66	AT-872	Std Only	
	16	Lifter	66	HT-2083	Std Only	
BLOCK	16	Lifter, Bulk	70-67	HT-2083B	Std Only	BLOCK
	16	Lifter, Bulk	66	AT-872B	Std Only	
	16	Lifter, Bulk	66	HT-2083B	Std Only	
	1	Prelube	68-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	68-66	KC-642	VIN Codes "Q" & "R"; Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B	
BLOCK	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Push Rod	70-68	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.	
	16	Push Rod	70-68	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.	
	16	Push Rod	70-68	RP-3172	Ball & ball type ends; 9.6210" O.A.L.	
	16	Push Rod	70-68	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.	
BLOCK	16	Push Rod	70-68	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.	BLOCK
	16	Push Rod	67-66	RP-3230R	VIN Code "P"; Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.	
	16	Push Rod	67-66	RP-3023	VIN Code "P"; Ball & cup type ends; 9.5300" O.A.L.	
	16	Push Rod	67-66	RP-3227R	VIN Codes "Q" & "R"; Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.	
	16	Push Rod	67-66	RP-3172B	VIN Codes "Q" & "R"; Ball & ball type ends; 9.5600" O.A.L.	
BLOCK	16	Push Rod	67-66	RP-3172	VIN Codes "Q" & "R"; Ball & ball type ends; 9.6210" O.A.L.	BLOCK
	16	Push Rod	67-66	RP-3172A	VIN Codes "Q" & "R"; Ball & ball type ends; 9.6800" O.A.L.	
	16	Push Rod	67-66	RP-3172C	VIN Codes "Q", "R"; 9.59" O.A.L.; 9.5910" O.A.L.	
	16	Push Rod, Bulk	70-68	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.	
	16	Push Rod, Bulk	70-68	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.	
BLOCK	16	Push Rod, Bulk	67-66	BRP-3172B	VIN Codes "Q" & "R"; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.	BLOCK
	16	Push Rod, Bulk	67-66	BRP-3172	VIN Codes "Q" & "R"; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.	
	16	Push Rod, Bulk	67-66	BRP-3172B	VIN Codes "Q" & "R"; Ball & ball type ends; Carton of 100; 9.5600" O.A.L.	
	16	Push Rod, Bulk	67-66	BRP-3172	VIN Codes "Q" & "R"; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.	
	16	Push Rod, Bulk	67-66	BRP-3172	VIN Codes "Q" & "R"; Ball & ball type ends; Carton of 100; 9.6210" O.A.L.	
BLOCK	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Arm	70-66	R-821	Adj.	
	16	Arm	70-66	R-814	Non-Adj.	
	2	Rocker Shaft	70-66	RS-621		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
BLOCK	8	Exhaust	70-69	V-1853	Std-15	BLOCK
	8	Exhaust	70-69	V-1875	Std Only	
	8	Exhaust	68-66	V-1853	Std-15	
	8	Exhaust	70-69	V-1853	Std-15	
	8	Exhaust	70-69	V-1875	Std Only	

(continued on next page)

Ford Car

7.0L 428 OHV V8, 4.13" Bore 1970-66 **62**

VIN Codes "P" 1966-70 (Police), "Q" 1966-70, "R" 1968-70 (Cobra Jet & Super Cobra Jet) (cont.)

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exhaust, Bulk	70-69	V-1853B Std-15	VIN Code "P"; Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Exhaust, Bulk	68-66	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Intake	70-69	V-1809 Std-3	VIN Code "P"; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	70-69	V-1876 Std Only	VIN Codes "Q" & "R"; Chrome plated stem; 2.0870" Head Dia., .3710" Stem Dia., 5.4470" O.A.L.
	8	Intake	68-67	V-1809 Std-3	VIN Code "P"; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	68-67	V-1539 Std-15	VIN Codes "Q" & "R"; 2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake	66	V-1539 Std-15	2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake, Bulk	68-67	V-1539B15 15	VIN Codes "Q" & "R"; Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	8	Intake, Bulk	66	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	70-66	VG-5007T	Exh. & Int.; Mercury; Threaded; .3725" ID, 2.3800" O.A.L.
	16	Guide	70-66	VG-5007	Exh. & Int.; Monterey; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	70-66	VG-5007B	Exh. & Int.; Mercury; Carton of 50; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	70-66	VG-5007TB	Exh. & Int.; Threaded; .3725" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	70-69	VS-717	Incl. damper; 2.0260" Free Height
	16	Spring	68	VS-717	VIN Code "P"; Incl. damper; 2.0260" Free Height
	16	Spring	68	VS-682	VIN Codes "Q" & "R"; Incl. damper; 2.1200" Free Height
	16	Spring	67-66	VS-682	Incl. damper; 2.1200" Free Height
	16	Spring, Bulk	68	VS-682B	VIN Codes "Q" & "R"; Incl. damper; Carton of 200; 2.1200" Free Height
	16	Spring, Bulk	67-66	VS-682B	Incl. damper; Carton of 200; 2.1200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	70-66	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	70-66	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	70-68	MV-1775C	Umbrella type; Polyacrylate
	16	Valve Stem Seal	67-66	MV-1775C	VIN Codes "Q" & "R"; Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	70-68	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	70-66	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	70-66	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	67-66	MV-1775	VIN Codes "Q" & "R"; Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	70-69	245-1625-1N Std Only	VIN Code "P"; Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	70-69	245-1625-1 Std Only	VIN Code "P"; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	70-69	245-1750-2N Std Only	VIN Codes "Q" & "R"; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	70-69	245-1750-2 Std Only	VIN Codes "Q" & "R"; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	70-69	245-2125-1 Std Only	VIN Code "P"; 2.1305" OD, 1.8125" ID, .2480" Depth
	8	Int.	70-69	245-2250-1 Std Only	VIN Codes "Q" & "R"; 2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	68-67	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	68-67	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	68-67	245-2125-1 Std Only	VIN Code "P"; 2.1305" OD, 1.8125" ID, .2480" Depth
	8	Exh.	66	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	66	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	66	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	70-66	VK-138	1 groove; Square cut key groove
	32	Keeper	70-66	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	70-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	70-66	259-306B	.030"; Carton of 100
	16	Spring Insert	70-66	259-306A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	70-69	354P Std-30-40-60	VIN Codes "P" & "Q"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.
	8	Cast Piston	68-66	354P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.

(continued on next page)

Ford Car

62 7.0L 428 OHV V8, 4.13" Bore 1970-66

(cont.) VIN Codes "P" 1966-70 (Police), "Q" 1966-70, "R" 1968-70 (Cobra Jet & Super Cobra Jet)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	70-69	W354P Std-30-40-60	VIN Codes "P" & "Q"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.	
	8	Cast Piston - Individual	68-66	W354P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.	
	8	Powerforged	70-69	L-2303NF Std-30-40-60	VIN Code "R"; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.674" CD, .9753" Pin Dia., Recessed Head .085" deep x 2.620" dia. w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Powerforged	68	L-2303NF Std-30-40-60	VIN Code "R"; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.674" CD, .9753" Pin Dia., Recessed Head .085" deep x 2.620" dia. w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	70-69	WL-2303NF Std-30-40-60	VIN Code "R"; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.674" CD, .9753" Pin Dia., Recessed Head .085" deep x 2.620" dia. w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	68	WL-2303NF Std-30-40-60	VIN Code "R"; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.674" CD, .9753" Pin Dia., Recessed Head .085" deep x 2.620" dia. w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Pin Bushing	70-66	2304V	VIN Code "Q"; Split type bushing	
	8	Pin Bushing	70-66	2304V20	VIN Code "Q"; Split type bushing; w/.020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Premium Set	70-66	E-261K Std-30-40-60	2-5/64, 1-3/16	BLOCK
	1	Standard Set	70-66	E-261X Std-30-40	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	70-66	WE-261K Std-30-40	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	70-66	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD	
	1	Rod Set	70-66	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable	
	1	Rod Set	70-66	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.	
	1	Rod Set	70-66	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.	
	8	Rod Pair	70-66	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.	
	1	Cam Set	70-66	1445M Std Only		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	70	224-41169	VIN Codes "P" & "R"	
	1	Oil Pump	69-66	224-41173	VIN Code "Q"	
	1	Oil Pump	69-66	224-43365A	VIN Code "Q"; High Pressure	
	1	Oil Pump	69-66	224-41177	VIN Code "Q"; High Volume, check pan for clearance	
	1	Oil Pump	69-66	224-41169	VIN Codes "P" & "R"	
	1	Inter. Shaft	70-66	224-61114		
	1	Screen Assy.	70-66	224-14158		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	70-68	260-1035	VIN Code "R"; Int. manifold gskts. not incl.; Exh. pipe flange not incl.; Exh. heat shields not incl.	
BLOCK	1	Kit Gasket Set	70-68	260-1035	VIN Codes "P" & "Q"; Exh. pipe flange not incl.; Exh. heat shields not incl.	BLOCK
	1	Kit Gasket Set	67-66	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	70-66	381-8017		
	1	Steel Block Plug Kit	70-66	381-4015		
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	70-68	VIN Code "R"; Int. manifold gskts. not incl.; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.	Re-ring		205-672	
	70-68	VIN Codes "P" & "Q"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.	Re-ring		205-672	
	67-66	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.	Re-ring		205-672	
					205-172	
					205-172	
					205-172	
					205-172	
					205-172	

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Ford Car

7.0L 428 OHV V8, 4.13" Bore 1970-66 62					
VIN Codes "P" 1966-70 (Police), "Q" 1966-70, "R" 1968-70 (Cobra Jet & Super Cobra Jet) (cont.)					
OVERHAUL KIT				PREMIUM KIT NO. MK-672A	ECONOMY KIT NO. MK-172A
YEARS	DESCRIPTION	Master w/o Pistons			
68-66	VIN Code "Q"; Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD				

7.0L 429 OHV V8, 4.36" Bore 1973-68 63				
VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "K" 1969-71, "N" 1968-73, "P" 1971-72 (Police), "Z" 1969-70 (Boss)				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	73-72	KT3-491S	VIN Code "N"; Incl. (1) 222-491, (1) 223-420A, (1) 223-421
1	3 Piece Set	72	KT3-491SA	VIN Code "P"; Incl. (1) 222-491, (1) 223-420A, (1) 223-493
1	3 Piece Set	71-68	KT3-491SA	Incl. (1) 222-491, (1) 223-420A, (1) 223-493
1	Timing Chain	73-68	222-491	52 Links
1	Crank Sprocket	73-72	223-421	VIN Code "N"; 18 Teeth
1	Crank Sprocket	72	223-493	VIN Code "P"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
1	Crank Sprocket	71-68	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
1	Cam Sprocket	73-68	223-420A	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	73-72	CS-648	VIN Code "N"
1	Camshaft	71-69	CS-648	VIN Codes "K", "N"
1	Camshaft	68	CS-648	VIN Code "N"
16	Lifter	73-72	HT-900 Std Only	Hyd.
16	Lifter	71-70	AT-2000 Std Only	VIN Codes "C", "J", "P"; Mech.
16	Lifter	71-70	HT-900 Std Only	VIN Codes "K", "N", "R"; Hyd.
16	Lifter	69-68	HT-900 Std Only	Hyd.
16	Lifter, Bulk	73-72	HT-900B Std Only	Hyd.; Carton of 122
16	Lifter, Bulk	71-70	AT-2000B Std Only	VIN Codes "C", "J", "P"; Mech.; Carton of 122
16	Lifter, Bulk	71-70	HT-900B Std Only	VIN Codes "K", "N", "R"; Hyd.; Carton of 122
16	Lifter, Bulk	69-68	HT-900B Std Only	Hyd.; Carton of 122
1	Prelube	73-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	73-72	KC-648	VIN Code "N"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-648	VIN Codes "K", "N"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	68	KC-648	VIN Code "N"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	73-72	KCT-648	VIN Code "N"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) KT3-491S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	73-72	RP-3160	8.5500" O.A.L.
16	Push Rod	71-70	RP-3160	VIN Codes "C", "J", "P"; 8.5500" O.A.L.
16	Push Rod	71-70	RP-3185	VIN Codes "K", "N", "R"; 8.6480" O.A.L.
16	Push Rod	69	RP-3164	Exc. VIN Code "Z"; 8.6930" O.A.L.
16	Push Rod	69	RP-316435	Exc. VIN Code "Z"; 8.7280" O.A.L.
16	Push Rod	69	RP-316460	Exc. VIN Code "Z"; 8.7530" O.A.L.
16	Push Rod	69-68	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
16	Push Rod	68	RP-3164	8.6930" O.A.L.
16	Push Rod	68	RP-316435	8.7280" O.A.L.
16	Push Rod	68	RP-316460	8.7530" O.A.L.
16	Push Rod, Bulk	73-72	BRP-3160	Carton of 100; 8.5500" O.A.L.
16	Push Rod, Bulk	71-70	BRP-3160	VIN Codes "C", "J", "P"; Carton of 100; 8.5500" O.A.L.
16	Push Rod, Bulk	69	BRP-3164	Exc. VIN Code "Z"; Carton of 100; 8.6930" O.A.L.
16	Push Rod, Bulk	68	BRP-3164	Carton of 100; 8.6930" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	73-72	R-855	Incl. arm & pivot
16	Arm Assy.	71-70	R-1033	VIN Codes "K" & "N"
16	Arm Assy.	69-68	R-1033	
16	Arm Assy., Bulk	73-72	R-855B	Incl. arm & pivot; Carton of 64
16	Arm	73-72	R-855A	
16	Arm	71-70	R-863A	VIN Codes "K" & "N"
16	Arm	69-68	R-863A	
16	Pivot Ball	71-70	MR-1820	VIN Codes "K" & "N"
16	Pivot Ball	69-68	MR-1820	
16	Nut	71-68	MR-1813	Use w/R-1033; 7/16" thread
16	Bolt	72	MR-1951	VIN Code "P"; 5/16" X 18 UNC w/o washer

(continued on next page)

Ford Car

63 7.0L 429 OHV V8, 4.36" Bore 1973-68

(cont.) VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "K" 1969-71, "N" 1968-73, "P" 1971-72 (Police), "Z" 1969-70 (Boss)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
16	Pivot	73-72	MR-1811	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	73	V-1984 Std-15	Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
8	Exhaust	72	V-1849 Std Only	VIN Code "N"; Chrome plated stem; 1.6540" Head Dia., .3420" Stem Dia., 5.0830" O.A.L.
8	Exhaust	71	V-1933 Std Only	VIN Codes "C", "J", "P"; Chrome plated stem; 1.7250" Head Dia., .3420" Stem Dia., 5.0680" O.A.L.
8	Exhaust	71-70	V-1849 Std Only	VIN Codes "K" & "N"; Chrome plated stem; 1.6540" Head Dia., .3420" Stem Dia., 5.0830" O.A.L.
8	Exhaust	70	V-1933 Std Only	VIN Codes "C", "J", "Z"; Chrome plated stem; 1.7250" Head Dia., .3420" Stem Dia., 5.0680" O.A.L.
8	Exhaust	69-68	V-1849 Std Only	Chrome plated stem; 1.6540" Head Dia., .3420" Stem Dia., 5.0830" O.A.L.
8	Exhaust, Bulk	73	V-1984B15 15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
8	Intake	73	V-3929 Std-15	Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L.
8	Intake	72	V-1850 Std Only	VIN Code "N"; Chrome plated stem; 2.0830" Head Dia., .3420" Stem Dia., 5.2880" O.A.L.
8	Intake	71-70	V-1850 Std Only	VIN Codes "K" & "N"; Chrome plated stem; 2.0830" Head Dia., .3420" Stem Dia., 5.2880" O.A.L.
8	Intake	69-68	V-1850 Std Only	Chrome plated stem; 2.0830" Head Dia., .3420" Stem Dia., 5.2880" O.A.L.
8	Intake, Bulk	73	V-3929B15 15	Chrome plated stem; Carton of 25; 2.0830" Head Dia., .3569" Stem Dia., 5.1980" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	73-68	VG-5061	.3430" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	73	VS-703	2.0560" Free Height
16	Spring	72	VS-717	VIN Code "P"; Incl. damper; 2.0260" Free Height
16	Spring	72-70	VS-703	VIN Codes "K" & "N"; 2.0560" Free Height
16	Spring	71	VS-717	VIN Codes "C", "J", "P"; Incl. damper; 2.0260" Free Height
16	Spring	70	VS-717	VIN Codes "C", "J", "Z"; Incl. damper; 2.0260" Free Height
16	Spring	69-68	VS-703	2.0560" Free Height
16	Spring, Bulk	73	VS-703B	Carton of 250; 2.0560" Free Height
16	Spring, Bulk	72-70	VS-703B	VIN Codes "K" & "N"; Carton of 250; 2.0560" Free Height
16	Spring, Bulk	69-68	VS-703B	Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	73-68	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	73-70	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal	69	MV-1796C	Exc. VIN Code "Z"; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal	68	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal Bulk	73-70	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	73-68	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	69	MV-1796	Exc. VIN Code "Z"; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
16	Valve Stem Seal Bulk	68	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	73	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	73	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	73	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
8	Exh.	72	245-1812-4 Std Only	VIN Code "P"; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Exh.	72-70	245-1750-2N Std Only	VIN Codes "K" & "N"; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	72-70	245-1750-2 Std Only	VIN Codes "K" & "N"; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	72-70	245-2250-1 Std Only	VIN Codes "K" & "N"; 2.2555" OD, 1.9375" ID, .1855" Depth
8	Exh.	71	245-1812-4 Std Only	VIN Codes "C", "J", "P"; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Exh.	70	245-1812-4 Std Only	VIN Codes "C", "J", "Z"; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Exh.	69-68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	69-68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	69-68	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth

(continued on next page)

Ford Car

7.0L 429 OHV V8, 4.36" Bore 1973-68 **63**

VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "K" (cont.) 1969-71, "N" 1968-73, "P" 1971-72 (Police), "Z" 1969-70 (Boss)

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	73-68	VK-115	1 groove; Square cut key groove
32	Keeper	73-68	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	73-68	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	73-68	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	73-68	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	73-68	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	73-68	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	73-68	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	73-68	413AP * Std-20-30-40-60	VIN Codes "K" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Oblong Recessed Head .120" deep - 8.0:1 C.R.
8	Cast Piston	73-68	413NP + Std-20-30-40-60	VIN Codes "K" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Oblong Recessed Head .120" deep - 8.0:1 C.R.; When depleted use 413AP
8	Cast Piston - Individual	73-68	W413AP30 * 30-40-60	VIN Codes "K" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Recessed Head; Oblong shape .120" deep - 8.0:1 C.R.
8	Cast Piston - Individual	73-68	W413NP30 + 30-40-60	VIN Codes "K" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Recessed Head; Oblong shape .120" deep - 8.0:1 C.R.; When depleted use W413AP 30
8	Powerforged	72	L-2366F Std-30-40	VIN Code "P"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
8	Powerforged	71	L-2366F Std-30-40	VIN Codes "C", "J", "P"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
8	Powerforged	70	L-2366F Std-30-40	VIN Codes "C", "J", "Z"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
8	Forged Piston - Individual	72	WL-2366F Std-30-40	VIN Code "P"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
8	Forged Piston - Individual	71	WL-2366F Std-30-40	VIN Codes "C", "J", "P"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
8	Forged Piston - Individual	70	WL-2366F Std-30-40	VIN Codes "C", "J", "Z"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.890" CD, 1.0402" Pin Dia., Flat Head. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	73-68	E-296K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	73-68	E-296X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	73-68	WE-296K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	73-68	WE-296X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	73-68	4907M Std-1-10-20-30-40	
1	Rod Set	73-68	8-3360CPA Std-1-10-20-30-40	
1	Rod Set	73-68	8-3360CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore
8	Rod Pair	73-68	3360CPA Std-1-10-20-30-40	
1	Cam Set	73-68	1414M Std Only	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	73	224-41139V	VIN Code "N"; High Volume, check pan for clearance; Incl. 224-14160 screen
1	Oil Pump	73	224-41139	VIN Code "N"; Use w/224-12139
1	Oil Pump	72-70	224-41139V	VIN Codes "K" & "N"; High Volume, check pan for clearance; Incl. 224-14160 screen
1	Oil Pump	72-70	224-41139	VIN Codes "K" & "N"; Use w/224-12139
1	Oil Pump	69-68	224-41139	VIN Codes "K" & "N"; Use w/224-12139
1	Oil Pump	69-68	224-41139V	VIN Codes "K", "N"; High Volume, check pan for clearance; Incl. 224-14160 screen
1	Pump Repair Kit	73-68	224-51139	
1	Inter. Shaft	73-68	224-61127	
1	Screen Assy.	73	224-12139	VIN Code "N"; Press-in type screen
1	Screen Assy.	72	224-14160	VIN Code "P"; Bolt-on type screen
1	Screen Assy.	72-70	224-12139	VIN Codes "K" & "N"; Press-in type screen
1	Screen Assy.	71	224-14160	VIN Codes "C", "J", "P"; Bolt-on type screen
1	Screen Assy.	70	224-14160	VIN Codes "C", "J", "Z"; Bolt-on type screen
1	Screen Assy.	69-68	224-12139	VIN Codes "K" & "N"; Press-in type screen

(continued on next page)

Ford Car

63 7.0L 429 OHV V8, 4.36" Bore 1973-68

(cont.) VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "K" 1969-71, "N" 1968-73, "P" 1971-72 (Police), "Z" 1969-70 (Boss)

BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	73	260-1013	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	72	260-1013	VIN Codes "N" & "P"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	71	260-1013	VIN Codes "K", "N", "P"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	71-69	260-1013	VIN Codes "C" & "J"; Int. manifold gskts. not incl.; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	70-69	260-1013	VIN Codes "K" & "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	68	260-1013	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
KITS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Brass Block Plug Kit	73-68	381-8018		
	1	Steel Block Plug Kit	73-68	381-4021		
	RE-RING KIT					
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	73	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	72	VIN Codes "N" & "P"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	71	VIN Codes "K", "N" & "P"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	71-69	VIN Codes "C" & "J"; Int. manifold gskts. not incl.; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	70-69	VIN Codes "K" & "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	68	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	OVERHAUL KIT					
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	73-72	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Rods & Mains	MKP-637C 505-637C	MKP-137C 505-137C	
	73-72	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master w/o Pistons	MK-637E	MK-137E	
	71-69	VIN Codes "K" & "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Rods & Mains	MKP-637A 505-637A	MKP-137A 505-137A	
	71-69	VIN Codes "K" & "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master w/o Pistons	MK-637D	MK-137D	
	68	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Rods & Mains	MKP-637A 505-637A	MKP-137A 505-137A	
	68	VIN Code "N"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master w/o Pistons	MK-637D	MK-137D	

64 7.0L 430 OHV V8, 4.2969" Bore 1965-58

VIN Codes "H" 1958-62, "J" 1958-60, "K" 1958-59, "L" 1959, "M" 1960, "N" 1963-65

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	65-58	222-491	52 Links
1	Crank Sprocket	65-58	223-283	20 Teeth
1	Cam Sprocket	65-61	223-386	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	65-58	HT-2083 Std Only	Hyd.
16	Lifter, Bulk	65-58	HT-2083B Std Only	Hyd.; Carton of 122
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	65-58	RP-3059	9.7700" O.A.L.

(continued on next page)

Ford Car

7.0L 430 OHV V8, 4.2969" Bore 1965-58 64					
VIN Codes "H" 1958-62, "J" 1958-60, "K" 1958-59, "L" 1959, "M" 1960, "N" 1963-65 (cont.)					
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	60-59	R-814	w/Hyd. lifters
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	65-58	VG-5007	Exh.; Mercury; .3725" ID, 2.3800" O.A.L.
	8	Guide	65-58	VG-5007T	Exh.; Mercury; Threaded; .3725" ID, 2.3800" O.A.L.
	8	Guide	65-58	VG-5062	Exh.; Thunderbird; .3735" ID, 2.3800" O.A.L.
	8	Guide	65-58	VG-5008	Int.; Plain; .3725" ID, 2.7500" O.A.L.
	8	Guide	65-58	VG-5057T	Int.; Threaded; .3730" ID, 2.7500" O.A.L.
	8	Guide, Bulk	65-58	VG-5007B	Exh.; Mercury; Carton of 50; .3725" ID, 2.3800" O.A.L.
	8	Guide, Bulk	65-58	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
	8	Guide, Bulk	65-58	VG-5008B	Int.; Plain; Carton of 50; .3725" ID, 2.7500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	65-63	VS-721	1.9600" Free Height	
16	Spring, Bulk	65-63	VS-721B	Carton of 250; 1.9600" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	65-58	ST-2002	Exh. & Int.; Installation requires valve guide machining; Polyacrylate	
8	Valve Stem Seal	65-58	MV-1775C	Exh.; Umbrella type; Polyacrylate	
8	Valve Stem Seal Bulk	65-58	MV-1775	Exh.; Umbrella type; Carton of 100; Polyacrylate	
16	Valve Stem Seal Bulk	65-58	ST-2002BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	65-58	VK-138	1 groove; Square cut key groove	
32	Keeper	65-58	VK-138R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	65-58	VK-138B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	65-58	E-183X Std Only	1-5/64, 1-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	65-62	4130M Std-10	Double locking lips on lower brg. halves
	8	Rod Pair	65-58	2305CP Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	65-58	224-43365A	High Pressure
1	Oil Pump	65-58	224-41177	High Volume, check pan for clearance	
1	Oil Pump	65-58	224-41173	W/Electric wipers	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	65-58	381-8018		
1	Steel Block Plug Kit	65-58	381-4021		
7.5L 460 OHV V8, 4.36" Bore 1978-68 65					
VIN Codes "A" 1968-78, "C" 1973-78 (Police)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	78-77	KT3-491S	Incl. (1) 222-491, (1) 223-420A, (1) 223-421
	1	3 Piece Set	78-77	KT3-491SA	VIN Code "C"; Incl. (1) 222-491, (1) 223-420A, (1) 223-493
	1	3 Piece Set	76-75	KT3-491S	Incl. (1) 222-491, (1) 223-420A, (1) 223-421
	1	3 Piece Set	74-72	KT3-491S	VIN Code "A"; Incl. (1) 222-491, (1) 223-420A, (1) 223-421
	1	3 Piece Set	74-72	KT3-491SA	VIN Code "C"; Incl. (1) 222-491, (1) 223-420A, (1) 223-493
	1	3 Piece Set	71-69	KT3-491SA	Incl. (1) 222-491, (1) 223-420A, (1) 223-493
	1	Timing Chain	78-69	222-491	52 Links
	1	Crank Sprocket	78-77	223-493	VIN Code "C"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Crank Sprocket	78-75	223-421	18 Teeth
	1	Crank Sprocket	74-72	223-493	VIN Code "C"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Crank Sprocket	74-72	223-421	VIN Codes "A" & "J"; 18 Teeth
	1	Crank Sprocket	71-69	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
	1	Cam Sprocket	78-69	223-420A	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	78-69	CS-648	VIN Code "A"
	16	Lifter	78-69	HT-900 Std Only	Hyd.
	16	Lifter	78-69	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk	78-69	HT-900B Std Only	Hyd.; Carton of 122
16	Lifter, Bulk	78-69	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122	
1	Prelube	78-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	

(continued on next page)

Ford Car

65 7.5L 460 OHV V8, 4.36" Bore 1978-68
(cont.) VIN Codes "A" 1968-78, "C" 1973-78 (Police)

VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	78-69	KC-648	VIN Code "A"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	78-75	KCT-648	VIN Code "A"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) KT3-491S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-72	KCT-648	VIN Code "A"; Hyd.; Incl. (1) CS-648, (16) HT-900, (1) KT3-491S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	78-72	RP-3160	8.5500" O.A.L.
	16	Push Rod	78-72	RP-3252	8.6160" O.A.L.
	16	Push Rod	71-70	RP-3185	8.6480" O.A.L.
	16	Push Rod	69	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	16	Push Rod	69	RP-3164	8.6930" O.A.L.
	16	Push Rod	69	RP-316435	8.7280" O.A.L.
	16	Push Rod	69	RP-316460	8.7530" O.A.L.
	16	Push Rod, Bulk	78-72	BRP-3160	Carton of 100; 8.5500" O.A.L.
	16	Push Rod, Bulk	69	BRP-3164	Carton of 100; 8.6930" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	78-72	R-855	Incl. arm & pivot
	16	Arm Assy.	71	R-855	From 11/5/70; Incl. arm & pivot
	16	Arm Assy.	71-69	R-1033	To 11/4/70
	16	Arm Assy., Bulk	78-72	R-855B	Incl. arm & pivot; Carton of 64
	16	Arm Assy., Bulk	71	R-855B	From 11/5/70; Incl. arm & pivot; Carton of 64
	16	Arm	78-72	R-855A	
	16	Arm	71	R-855A	From 11/5/70
	16	Arm	71-69	R-863A	To 11/4/70
	16	Pivot Ball	71-69	MR-1820	To 11/4/70
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	78-77	V-1984 Std-15	VIN Codes "A" & "J"; Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
	8	Exhaust	76-75	V-1984 Std-15	Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
	8	Exhaust	74-73	V-1984 Std-15	VIN Codes "A" & "J"; Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
	8	Exhaust	72-69	V-1849 Std Only	Chrome plated stem; 1.6540" Head Dia., .3420" Stem Dia., 5.0830" O.A.L.
	8	Exhaust, Bulk	78-77	V-1984B15 15	VIN Codes "A" & "J"; Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
	8	Exhaust, Bulk	76-75	V-1984B15 15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
	8	Exhaust, Bulk	74-73	V-1984B15 15	VIN Codes "A" & "J"; Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
	8	Intake	78-77	V-3929 Std-15	VIN Codes "A" & "J"; Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L.
	8	Intake	76-75	V-3929 Std-15	Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	78-69	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.
	16	Guide, Bulk	78-69	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	78-73	VS-717	VIN Code "C"; Incl. damper; 2.0260" Free Height
	16	Spring	78-73	VS-703	VIN Codes "A" & "J"; 2.0560" Free Height
	16	Spring	72-69	VS-703	2.0560" Free Height
	16	Spring, Bulk	78-73	VS-703B	VIN Codes "A" & "J"; Carton of 250; 2.0560" Free Height
	16	Spring, Bulk	72-69	VS-703B	Carton of 250; 2.0560" Free Height

(continued on next page)

Ford Car

7.5L 460 OHV V8, 4.36" Bore 1978-68 65
VIN Codes "A" 1968-78, "C" 1973-78 (Police) (cont.)

VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Valve Stem Seal	78-69	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	77-69	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal Bulk	78-69	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	77-69	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	78-75	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	78-75	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	78-75	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	74-73	245-1750-2N Std Only	VIN Codes "A" & "J"; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	74-73	245-1750-2 Std Only	VIN Codes "A" & "J"; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	74-73	245-2250-1 Std Only	VIN Codes "A" & "J"; 2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	72	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	72	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	72	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
BLOCK	32	Keeper	78-69	VK-115	1 groove; Square cut key groove
	32	Keeper	78-69	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	78-69	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	78-69	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	78-69	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	78-69	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	78-69	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	78-69	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	78-69	H418CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston	78-69	H418P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	8	Cast Piston - Individual	78-69	WH418CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston - Individual	78-69	WH418P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	1	Cast Piston Set w/Prem. Rings	78-69	8KH418CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; Duroshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	78-69	8KH418P20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	1	Cast Piston Set w/Econ. Rings	78-69	8XH418P20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	8	Powerforged	78-69	L-2404F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.756" CD, 1.0402" Pin Dia., Recessed Head .180" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	78-69	WL-2404F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.756" CD, 1.0402" Pin Dia., Recessed Head .180" deep. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-69	E-296K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	78-69	E-296X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	78-69	WE-296K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	78-69	WE-296X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	78-69	4907M Std-1-10-20-30-40	
	1	Rod Set	78-69	8-3360CPA Std-1-10-20-30-40	
	1	Rod Set	78-69	8-3360CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore
	8	Rod Pair	78-69	3360CPA Std-1-10-20-30-40	
	1	Cam Set	78-69	1414M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	78-73	224-41139	VIN Code "A"; Use w/224-12139
	1	Oil Pump	78-73	224-41139V	VIN Codes "A" & "J"; High Volume, check pan for clearance; Incl. 224-14160 screen
	1	Oil Pump	72-69	224-41139V	VIN Code "A"; High Volume, check pan for clearance; Incl. 224-14160 screen

(continued on next page)

Ford Car

65 7.5L 460 OHV V8, 4.36" Bore 1978-68

(cont.) VIN Codes "A" 1968-78, "C" 1973-78 (Police)

BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	72-69	224-41139	VIN Code "A"; Use w/224-12139	
	1	Pump Repair Kit	78-69	224-51139	VIN Codes "A" & "J"	
	1	Inter. Shaft	78-69	224-61127	VIN Codes "A" & "J"	
	1	Screen Assy.	78-73	224-14160	Bolt-on type screen	
	1	Screen Assy.	78-73	224-12139	VIN Codes "A" & "J"; Press-in type screen	
	1	Screen Assy.	72-69	224-12139	VIN Code "A"; Press-in type screen	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	78-75	260-1013	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	74-68	260-1013	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	78-75	260-4005			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	78-68	381-8018			
1	Steel Block Plug Kit	78-68	381-4021			
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	78-75	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	74-69	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-637 205-637M	205-137 205-137M	
	OVERHAUL KIT					
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	78-75	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E	
	74-72	VIN Code "A"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E	
	71-69	VIN Code "A"; Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637D MK-637D 505-637D	MKP-137D MK-137D 505-137D	

66 7.6L 462 OHV V8 (Lincoln), 4.38" Bore 1968-66

VIN Codes "G" 1966-68, "7" 1967-68

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	67-66	222-491	52 Links	
	1	Crank Sprocket	67-66	223-283	20 Teeth	
	1	Cam Sprocket	67-66	223-386	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	67-66	HT-2083 Std Only	Hyd.	
	16	Lifter, Bulk	67-66	HT-2083B Std Only	Hyd.; Carton of 122	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	67-66	RP-3059	9.7700" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	8	Guide	67-66	VG-5007	Exh.; .3725" ID, 2.3800" O.A.L.	VALVE TRAIN
	8	Guide	67-66	VG-5062	Exh.; .3735" ID, 2.3800" O.A.L.	
	8	Guide	67-66	VG-5007T	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.	
	8	Guide	67-66	VG-5076T	Int.; Threaded; .3740" ID, 2.8750" O.A.L.	
	8	Guide, Bulk	67-66	VG-5007B	Exh.; Carton of 50; .3725" ID, 2.3800" O.A.L.	
	8	Guide, Bulk	67-66	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.	
	8	Guide, Bulk	67-66	VG-5076TB	Int.; Threaded; Carton of 50; .3740" ID, 2.8750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	67-66	VS-721	1.9600" Free Height	
	16	Spring, Bulk	67-66	VS-721B	Carton of 250; 1.9600" Free Height	
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal	67-66	ST-2002	Installation requires valve guide machining; Polyacrylate Umbrella type; Polyacrylate	
	16	Valve Stem Seal	67-66	MV-1775C	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	67-66	ST-2002BC	Umbrella type; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	67-66	MV-1775	Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	67-66	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	67-66	VK-138	1 groove; Square cut key groove	

(continued on next page)

Ford Car

7.6L 462 OHV V8 (Lincoln), 4.38" Bore 1968-66 66 VIN Codes "G" 1966-68, "7" 1967-68 (cont.)					
	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-66	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-66	4130M Std-10	Double locking lips on lower brg. halves
	8	Rod Pair	67-66	2305CP Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	67-66	224-41173	
	1	Oil Pump	67-66	224-43365A	High Pressure
	1	Oil Pump	67-66	224-41177	High Volume, check pan for clearance
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	68-66	381-8018	
	1	Steel Block Plug Kit	68-66	381-4021	

Ford Minivans - See Ford Truck Ford SUV's - See Ford Truck Ford Truck (Includes Minivans and SUV's)

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.8L 109.6 (1796cc) SOHC L4 78mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	1980-72	1	4.0L 244 (4015cc) OHV V6 100.4mm Bore (12 Valve) L/D Truck.....	199022
2.0L 120.2 (1970cc) SOHC L4 80mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	1982-79	2	4.1L 250 OHV L6 3.68" Bore L/D Truck.....	1974-6923
2.0L 122 (2007cc) SOHC L4 89.3mm Bore (8 Valve) L/D Truck.....	1988-83	3	4.2L 255 OHV V8 3.68" Bore L/D Truck.....	1982-8124
2.2L 134.8 (2209cc) OHV Diesel L4 88.9mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	1984-83	4	4.2L 255.4 L-HEAD V8 3.1875" Bore (Mercury) L/D Truck.....	1954-4825
2.3L 140 (2302cc) SOHC L4 96mm Bore (8 Valve) L/D Truck.....	1990-77	5	4.2L 256 OHV V8 3.625" Bore (Mercury) L/D Truck.....	1955-5426
2.3L 143 (2346cc) SOHC Turbo-Diesel L4 91mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1987-85	6	4.3L 262 OHV L6 3.7188" Bore L/D Truck.....	1964-6127
2.4L 144 OHV L6 3.5" Bore L/D Truck.....	1966-60	7	4.4L 272 OHV V8 3.625" Bore L/D Truck.....	1957-5628
2.8L 170 OHV L6 3.5" Bore L/D Truck.....	1972-61	8	4.7L 289 OHV V8 4" Bore L/D Truck.....	1968-6529
2.8L 171 (2792cc) OHV V6 93mm Bore (12 Valve) L/D Truck.....	1986-83	9	4.8L 292 OHV V8 3.75" Bore L/D Truck.....	1964-5830
2.9L 177 (2935cc) OHV V6 93mm Bore (12 Valve) L/D Truck.....	1990-86	10	4.9L 300 OHV L6 4" Bore L/D Truck.....	1990-6531
3.0L 183 (2982cc) OHV V6 89mm Bore (12 Valve/Vulcan) L/D Truck.....	1990-86	11	4.9L 300 OHV LPG L6 4" Bore L/D Truck.....	1988-8232
3.3L 200 OHV L6 3.68" Bore L/D Truck.....	1974-64	12	5.0L 302 OHV V8 4" Bore L/D Truck.....	1990-6833
3.5L 215 OHV L6 3.5625" Bore L/D Truck.....	1953-52	13	5.4L 330 OHV V8 3.875" Bore (M/D Eng.) L/D Truck.....	1977-7534
3.6L 221 L-HEAD V8 3.0625" Bore (Ford) L/D Truck.....	1942-32	14	5.4L 332 OHV V8 4" Bore L/D Truck.....	1963-6035
3.6L 223 OHV L6 3.625" Bore L/D Truck.....	1964-54	15	5.8L 351 OHV V8 4" Bore (Modified) L/D Truck.....	1981-7736
3.7L 226 L-HEAD L6 3.2969" Bore L/D Truck.....	1951-47	16	5.8L 351 OHV V8 4" Bore (Windsor) L/D Truck.....	1990-6937
3.8L 232 (3797cc) OHV V6 96.8mm Bore L/D Truck.....	1983-82	17	5.8L 352 OHV V8 4" Bore L/D Truck.....	1967-5738
3.9L 239 OHV V8 3.5" Bore (Ford) L/D Truck.....	1955-54	18	5.9L 360 OHV V8 4.05" Bore L/D Truck.....	1977-6839
3.9L 239.4 L-HEAD V8 3.1875" Bore (Ford/Mercury) L/D Truck.....	1953-39	19	5.9L 361 OHV V8 4.05" Bore L/D Truck.....	1966-6440
3.9L 240 OHV L6 4" Bore L/D Truck.....	1976-65	20	6.4L 390 OHV V8 4.05" Bore L/D Truck.....	1977-6741
4.0L 242 (3966cc) OHV Diesel L4 104.8mm Bore (Dorset) (Ford Europe Eng.) L/D Truck.....	1970-67	21	6.6L 400 OHV V8 4" Bore L/D Truck.....	1982-7242
			6.9L 420 OHV Diesel V8 4" Bore (IDI) (International Eng.) L/D Truck.....	1987-8343
			7.0L 428 OHV V8 4.13" Bore L/D Truck.....	1969-6844
			7.0L 429 OHV V8 4.36" Bore L/D Truck.....	1973-7045
			7.3L 444 OHV Diesel V8 4.1102" Bore (IDI) (International Eng.) L/D Truck.....	1990-8846
			7.5L 460 OHV V8 4.36" Bore L/D Truck.....	1990-7347
Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
MB.....	2.0L 120.2 (1970cc) SOHC L4 80mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	2	WB.....	2.3L 140 (2302cc) SOHC L4 96mm Bore (8 Valve) L/D Truck..... 5
S2.....	2.2L 134.8 (2209cc) OHV Diesel L4 88.9mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	4	4D55-T.....	2.3L 143 (2346cc) SOHC Turbo-Diesel L4 91mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck..... 6
VB.....	1.8L 109.6 (1796cc) SOHC L4 78mm Bore (8 Valve) (Mazda Eng.) L/D Truck.....	1		

Ford Truck (Includes Minivans and SUV's)

1 1.8L 109.6 (1796cc) SOHC L4 (8 Valve), 78mm Bore (Mazda Eng.) 1980-72 L/D Truck VIN Code "A" 1972-78, Eng. Code "VB" 1972-78					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	78-77	CS-724	Single threaded on nose; Spacer not req'd.
	1	Camshaft	76-74	CS-724	Single threaded on nose; When installing CS-724 the spacer provided must be used
	1	Camshaft	72	CS-724	Exc. Calif.
	1	Prelube	78-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	78-72	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
	4	Intake	78-72	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	78-72	VK-208	Exh.
	8	Keeper	78-72	VK-207	Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	78-72	3569Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-72	E-350KC Std-.25-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	78-72	E-350X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	78-72	WE-350KC Std-.75MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	78-72	WE-350X Std-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	80-72	5027M Std-.25-.50MM	Position 5	
1	Thrust Washer Set	80-72	3567AF Std Only		
1	Rod Set	80-72	4-4005P Std-.25-.50-.75MM		
1	Cam Set	80-72	1442M Std Only		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	80-72	381-8031		
2 2.0L 120.2 (1970cc) SOHC L4 (8 Valve), 80mm Bore (Mazda Eng.) 1982-79 L/D Truck VIN Code "1" 1979-82, Eng. Code "MB" 1979-82					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	80	KT-1010S	To 1/31/80; Incl. sprockets, 2 chains, tensioner, guides, gskts. & oil seal
	1	Complete Set	79	KT-1010S	Incl. sprockets, 2 chains, tensioner, guides, gskts. & oil seal
	1	Timing Chain Tensioner	80	222-47CT	From 2/1/80
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-79	CS-724	
	1	Prelube	82-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	82-79	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
	4	Intake	82-79	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	82-80	VG-713	.3183" ID, 1.9900" O.A.L.
	8	Guide	79	VG-713	From 11/2/78; From Ser. No. SGTCUA077304; .3183" ID, 1.9900" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	82-79	VK-208	Exh.
8	Keeper	82-79	VK-207	Int.	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	82-79	3569Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	82-79	E-409X Std-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-4.00MM
	1	Standard Set	81-79	E-612X Std Only	Late design; w/wider comp. rings; 1-1.50MM, 1-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	82-79	WE-409KC Std-.50-.75MM	1-1.20MM, 1-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	81-79	WE-612KC Std-.50MM	1-1.50MM, 1-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-79	5027M Std-.25-.50MM	Position 5
	1	Thrust Washer Set	82-79	3567AF Std Only	
	1	Rod Set	82-79	4-4005P Std-.25-.50-.75MM	
	1	Cam Set	82-79	1442M Std Only	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	82-80	260-1112	Premium valve stem seals incl.
	1	Kit Gasket Set	79	260-1112	From 11/2/78; From Ser. No. SGTCUA077304; Premium valve stem seals incl.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.0L 120.2 (1970cc) SOHC L4 (8 Valve), 80mm Bore (Mazda Eng.) 1982-79 2						
L/D Truck VIN Code "1" 1979-82, Eng. Code "MB" 1979-82 (cont.)						
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	82-79	381-8031			
K I T S	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	82-80	Premium valve stem seals incl.		Re-ring	205-838	----
				Re-ring w/Mains	205-838M	----
	79	From 11/2/78; From Ser. No. SGTCUA077304; Premium valve stem seals incl.		Re-ring	205-838	----
				Re-ring w/Mains	205-838M	----
2.0L 122 (2007cc) SOHC L4 (8 Valve), 89.3mm Bore 1988-83 3						
L/D Truck VIN Code "C" 1983-88						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Timing Belt	88-83	222-14			
1	Timing Belt Tensioner	88-83	222-11BT			
1	Timing Belt & Tensioner Set	88-83	BTS-14			
1	Crank Sprocket	88-83	223-447	Use w/square tooth sprocket 19 Teeth		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft	88-83	CS-767			
8	Lifter	88-83	HT-2012 Std Only	Hyd. lash adj.; Std. length		
8	Lifter, Bulk	88-83	HT-2012B Std Only	Hyd. lash adj.; Std. length; Carton of 120		
1	Prelube	88-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
1	Cam/Lifter Kit	88-83	KC-767	Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B		
1	Cam/Flwr. Kit	88-83	KC-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B		
1	Cam/Lifter/Flwr. Kit	88-83	KC-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B		
1	Cam/Lifter/Timing Kit	88-83	KCT-767	Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B		
1	Cam/Flwr./Timing Kit	88-83	KCT-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B		
1	Cam/Lifter/Flwr./Timing Kit	88-83	KCT-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B		
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
8	Arm	88-83	R-873			
8	Arm, Bulk	88-83	R-873B	Carton of 64		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
4	Exhaust	88-83	V-2299 Std Only	Chrome plated stem; 1.3800" Head Dia., .3414" Stem Dia., 4.8070" O.A.L.		
4	Intake	88-83	V-2300 Std Only	Chrome plated stem; 1.6100" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
8	Guide	88-83	VG-5045	.3440" ID, 2.1800" O.A.L.		
8	Guide	88-83	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
8	Spring	88-83	VS-1459	Incl. damper; 1.9800" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	88-83	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber		
8	Valve Stem Seal	88-83	ST-2003	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber		
8	Valve Stem Seal	88-83	MV-1828C	Exh. & Int.; Use w/repair guide; Positive type; Polyacrylate		
8	Valve Stem Seal Bulk	88-83	ST-2003BC	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber		
8	Valve Stem Seal Bulk	88-83	MV-1828	Exh. & Int.; Use w/repair guide; Positive type; Carton of 50; Polyacrylate		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Exh.	88-83	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth		
4	Exh.	88-83	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth		
4	Int.	88-83	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth		
4	Int.	88-83	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	88-83	VK-205	4 groove		
16	Keeper	88-83	VK-205R	4 groove; Hardened		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3 2.0L 122 (2007cc) SOHC L4 (8 Valve), 89.3mm Bore 1988-83
(cont.) L/D Truck VIN Code "C" 1983-88

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Cast Piston	88-84	H491P Std-20-30-40-60	Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs	
	4	Cast Piston	83	H491P Std-20-30-40-60	From 8/82; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs	
	4	Cast Piston - Individual	88-84	WH491P Std-20-30-40-60	Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs	
	4	Cast Piston - Individual	83	WH491P Std-20-30-40-60	From 8/82; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.577" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	88-83	E-476K Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	1	Standard Set	88-83	E-476X Std-.50-.75-1.00MM	2-2.00MM, 1-4.76MM	
	4	Premium Single Cylinder Set	88-83	WE-476K Std-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	88-83	4979M Std-.25-.50-.75-1.00MM			
1	Rod Set	88-83	4-3545A Std-.25-.50-.75-1.00MM	A-Series aluminum bearings		
4	Rod Pair	88-83	3545A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings		
1	Cam Set	88-83	1443M Std Only			
1	Aux. Shaft Set	88-83	1460M			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	88-83	224-41160			
1	Oil Pump	88-83	224-41160V	High Volume; Not for use w/Alum. oil pan		
1	Inter. Shaft	88-83	224-61160			
1	Screen Assy.	88-86	224-13160			
1	Screen Assy.	85	224-13160	From 4/9/85		
1	Screen Assy.	85	224-12160	To 4/8/85		
1	Screen Assy.	84-83	224-12160			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	88-87	260-1526	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	86	260-1214	To 7/15/86; Premium valve stem seals incl.		
1	Kit Gasket Set	85-83	260-1214	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	88-83	381-8029			
1	Steel Block Plug Kit	88-83	381-4022			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	88-87	Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-6186 205-6186M	205-1186 205-1186M
	86	To 7/15/86; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-891 205-891M	205-391 205-391M
	85-83	Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-891 205-891M	205-391 205-391M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	88-87	Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Master Master w/o Pistons	MKP-6186A MK-6186A	MKP-1186A MK-1186A
	88-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Master w/o Rods & Mains	505-6186A	505-1186A
	86	To 7/15/86; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Master Master w/o Pistons	MKP-891A MK-891A	MKP-391A MK-391A
	86	To 7/15/86; Premium valve stem seals incl.		Master w/o Rods & Mains	505-891A	505-391A
	85-84	Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Master	MKP-891A	MKP-391A
	85-84	Premium valve stem seals incl.		Master w/o Rods & Mains	505-891A	505-391A
	85-83	Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Master w/o Pistons	MK-891A	MK-391A
	83	From 8/82; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Master	MKP-891A	MKP-391A

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.0L 122 (2007cc) SOHC L4 (8 Valve), 89.3mm Bore 1988-83 3				
L/D Truck VIN Code "C" 1983-88 (cont.)				
OVERHAUL KIT (cont.)			PREMIUM	ECONOMY
YEARS	DESCRIPTION		KIT NO.	KIT NO.
83	From 8/82; Premium valve stem seals incl.	Master w/o Rods & Mains	505-891A	505-391A
2.2L 134.8 (2209cc) OHV Diesel L4 (8 Valve), 88.9mm Bore (Mazda Eng.) 1984-83 4				
L/D Truck VIN Code "P" 1983-84, Eng. Code "S2" 1983-84				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-83	6644M	Std.-.25MM
1	Thrust Washer Set	84-83	3971AF	Std Only
1	Rod Set	84-83	4-3970CP	Std.-.25MM
2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-77 5				
L/D Truck VIN Codes "A" 1983-97, "B" 1977-80, "2" 1981-82, Eng. Code "WB" 1977-82				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-77	222-14	
1	Timing Belt Tensioner	90-77	222-11BT	
1	Timing Belt & Tensioner Set	90-77	BTS-14	Use w/square tooth sprocket
1	Crank Sprocket	90-77	223-447	19 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-88	CS-835	
1	Camshaft	87	CS-835	w/rlr. followers
1	Camshaft	87	CS-767	w/Hyd. followers
1	Camshaft	86-83	CS-767	
1	Camshaft	82-77	CS-666	
8	Lifter	90-77	HT-2012	Std Only
8	Lifter, Bulk	90-77	HT-2012B	Std Only
1	Prelube	90-77	55-400	Hyd. lash adj.; Std. length Hyd. lash adj.; Std. length; Carton of 120 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	87	KC-767	w/Hyd. followers; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B
1	Cam/Lifter Kit	86-83	KC-767	Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (1) 55-403B
1	Cam/Lifter Kit	82-77	KC-666	Lifters incl.; Rocker arms not incl.; Incl. (1) CS-666, (8) HT-2012, (1) 55-403B
1	Cam/Flwr. Kit	87	KC-767A	w/Hyd. followers; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	86-83	KC-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 55-403B
1	Cam/Flwr. Kit	82-77	KC-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	87	KC-767C	w/Hyd. followers; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	86-83	KC-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Flwr. Kit	82-77	KC-666C	Lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 55-403B
1	Cam/Lifter/Timing Kit	87	KCT-767	w/Hyd. followers; Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-83	KCT-767	Lifters incl.; Hyd. lash adj.; Std. length; Rocker arms not incl.; Incl. (1) CS-767, (8) HT-2012, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	87	KCT-767A	w/Hyd. followers; Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	86-83	KCT-767A	Lifters not incl.; Incl. (1) CS-767, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Flwr./Timing Kit	82-77	KCT-666A	Lifters not incl.; Incl. (1) CS-666, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	87	KCT-767C	w/Hyd. followers; Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	86-83	KCT-767C	Lifters incl.; Hyd. lash adj.; Std. length; Incl. (1) CS-767, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
1	Cam/Lifter/Flwr./Timing Kit	82-77	KCT-666C	Std. length lifters incl.; Incl. (1) CS-666, (8) HT-2012, (8) R-873, (1) 222-14, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	88-77	R-873	
8	Arm, Bulk	88-77	R-873B	w/o rlr. cam; Carton of 64
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-77	V-3943	Std-15
4	Exhaust, Bulk	90-77	V-3943B15	15
				Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.7920" O.A.L. Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3564" Stem Dia., 4.7920" O.A.L.

VALVE TRAIN

VALVE TRAIN

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5 2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-77 (cont.) L/D Truck VIN Codes "A" 1983-97, "B" 1977-80, "2" 1981-82, Eng. Code "WB" 1977-82					
VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Intake	90-77	V-2170 Std-15	Chrome plated stem; 1.7350" Head Dia., .3419" Stem Dia., 4.7870" O.A.L.
	4	Intake, Bulk	90-77	V-2170B15 15	Chrome plated stem; Carton of 25; 1.7350" Head Dia., .3569" Stem Dia., 4.7870" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-85	VG-5053	.3440" ID, 2.1700" O.A.L.
	8	Guide	90-77	VG-1372	Exh. & Int.; Spiral reamed & flanged; .3440" ID, 2.1880" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-83	VS-1459	Incl. damper; 1.9800" Free Height
	8	Spring	82-77	VS-857	1.8860" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-80	ST-2092	Exh. & Int.; O.E. design; Positive type; Rubber	
8	Valve Stem Seal	90-77	ST-2003	Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber	
8	Valve Stem Seal Bulk	90-77	ST-2003BC	Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	90-77	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
4	Exh.	90-77	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	
4	Int.	90-77	245-1812-2 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	90-77	VK-205	4 groove	
16	Keeper	90-77	VK-205R	4 groove; Hardened	
4	Spring Insert	90-77	259-102C	.015"; Carton of 100	
4	Spring Insert	90-77	259-102B	.030"; Carton of 100	
4	Spring Insert	90-77	259-102A	.060"; Carton of 100	
4	Spring Insert	90-77	259-102ARS	.060"; Carton of 500	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-89	H537P Std-20-30-40-60	Use w/E-442KC or E-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
	4	Cast Piston	88-83	H435P Std-20-30-40-60	Use w/E-352K or E-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston	88-83	H537P Std-20-30-40-60	Use w/E-442KC or E-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
	4	Cast Piston	84	495P Std-20-30-40	VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston	83	495P Std-20-30-40	From 8/82; VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston	82-77	H435P Std-20-30-40-60	Use w/E-352K or E-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston - Individual	90-89	WH537P Std-20-30-40-60	Use w/WE-442KC or WE-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
	4	Cast Piston - Individual	88-83	WH435P Std-20-30-40-60	Use w/WE-352K or WE-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston - Individual	88-83	WH537P Std-20-30-40-60	Use w/WE-442KC or WE-442X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.575" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs
	4	Cast Piston - Individual	84	W495P Std-20-30-40	VIN Code "A"; Use w/E-442KC or E-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston - Individual	83	W495P Std-20-30-40	From 8/82; VIN Code "A"; Use w/WE-442KC or WE-442X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Cast Piston - Individual	82-77	WH435P Std-20-30-40-60	Use w/WE-352K or WE-352X ring set; Hypereutectic; 2-2.00mm, 1-4.76mm Ring Groove, 1.578" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs - 8.7:1 C.R.
	4	Powerforged	88-77	L-2455F.75MM .75-1.00MM	Use w/E-352K or E-352X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-77 5
L/D Truck VIN Codes "A" 1983-97, "B" 1977-80, "2" 1981-82, Eng. Code "WB" 1977-82 (cont.)

B L O C K	QTY 4	PISTON (cont.) Forged Piston - Individual	YEARS 88-77	PART NO. WL-2455F.75MM 1.00-.75MM	DESCRIPTION Use w/WE-352K or WE-352X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.598" CD, .9122" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.	B L O C K
	QTY 1	RINGS Premium Set	YEARS 90-85	PART NO. E-442KC Std.-.50-.75-1.00-1.50MM	DESCRIPTION 2-1.50MM, 1-4.00MM	
	1	Premium Set	90-85	E-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	1	Premium Set	84-77	E-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	1	Standard Set	90-85	E-442X Std.-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	90-85	E-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	1	Standard Set	84-77	E-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	4	Premium Single Cylinder Set	90-85	WE-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	4	Premium Single Cylinder Set	90-83	WE-442KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	84-77	WE-352K Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	4	Standard Single Cylinder Set	90-85	WE-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	4	Standard Single Cylinder Set	84-77	WE-352X Std.-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.76MM	
	QTY 1	ENGINE BEARINGS Main Set	YEARS 90-89	PART NO. 7291MA Std.-.25-.50-.75MM	DESCRIPTION A-Series aluminum bearings	
	1	Main Set	88-77	4979M Std.-.25-.50-.75-1.00MM		
B L O C K	1	Rod Set	90-77	4-3545A Std.-.25-.50-.75-1.00MM	A-Series aluminum bearings	
	4	Rod Pair	90-77	3545A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
	1	Cam Set	90-77	1443M Std Only		
	1	Cam Set	90-77	1842M Std Only	Spec. oil control brg., differs from O.E. design, 360 Degree OD groove	
	1	Aux. Shaft Set	90-77	1460M		
	QTY 1	OIL PUMP Oil Pump	YEARS 90-86	PART NO. 224-41127	DESCRIPTION	
	1	Oil Pump	85	224-41127	From 4/9/85	
	1	Oil Pump	85	224-41160	To 4/8/85	
	1	Oil Pump	85	224-41160V	To 4/8/85; High Volume; Not for use w/Alum. oil pan	
	1	Oil Pump	84-77	224-41160		
	1	Oil Pump	84-77	224-41160V	High Volume; Not for use w/Alum. oil pan	
	1	Inter. Shaft	90-77	224-61160		
	1	Screen Assy.	90-86	224-13160		
	1	Screen Assy.	85	224-13160	From 4/9/85	
	1	Screen Assy.	85	224-12160	To 4/8/85	
	1	Screen Assy.	84-83	224-12160		
	1	Screen Assy.	82-77	224-11160		
B L O C K	QTY 1	GASKETS Kit Gasket Set	YEARS 90-89	PART NO. 260-1448	DESCRIPTION PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	B L O C K
	1	Kit Gasket Set	88	260-1447	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87	260-1218	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1218	From 7/16/86; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1162	To 4/8/85; w/MFI; Premium valve stem seals incl.	
	1	Kit Gasket Set	84-83	260-1172	Premium valve stem seals incl.	
	1	Kit Gasket Set	82	260-1161	From 9/29/81; Premium valve stem seals incl.	
	1	Kit Gasket Set	81	260-1161	From 9/29/81; Premium valve stem seals incl.	
	1	Kit Gasket Set	81	260-1018	To 9/28/81; Premium valve stem seals incl.	
	1	Kit Gasket Set	80-77	260-1018	Premium valve stem seals incl.	
	1	Head Bolt Set	90-77	260-2510	Replacement recommended	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 90-77	PART NO. 381-8029	DESCRIPTION	
	1	Steel Block Plug Kit	90-77	381-4022		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5 2.3L 140 (2302cc) SOHC L4 (8 Valve), 96mm Bore 1990-77
(cont.) L/D Truck VIN Codes "A" 1983-97, "B" 1977-80, "2" 1981-82, Eng. Code "WB" 1977-82

K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6119 205-6119M	205-1119 205-1119M	
	88	Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6118 205-6118M	205-1118 205-1118M	
	87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-896 205-896M	205-396 205-396M	
	86	From 7/16/86; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-896 205-896M	205-396 205-396M	
	85	To 4/8/85; w/MFI; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-753 205-753M	----- -----	
	84-83	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-763 205-763M	205-263 205-263M	
	82	From 9/29/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-752 205-752M	205-252 205-252M	
	81	To 9/28/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-646 205-646M	205-146 205-146M	
	81	From 9/29/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-752 205-752M	205-252 205-252M	
	80-77	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-646 205-646M	205-146 205-146M	
K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-89	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6110	-----	
	90-89	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6110	-----	
	87	w/Hyd. followers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-896A	MK-396A	
	87	w/Hyd. followers; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-896A	505-396A	
	86	From 7/16/86; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-896A	MK-396A	
	86	From 7/16/86; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-896A	505-396A	
	84-83	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-763A MK-763A	MKP-263A MK-263A	
	84-83	Premium valve stem seals incl.	Master w/o Rods & Mains	505-763A	505-263A	
	82	From 9/29/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-752A MK-752A	MKP-252A MK-252A	
	82	From 9/29/81; Premium valve stem seals incl.	Master w/o Rods & Mains	505-752A	505-252A	
	81	To 9/28/81; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-646A MK-646A	MKP-146A MK-146A	
	81	To 9/28/81; Premium valve stem seals incl.	Master w/o Rods & Mains	505-646A	505-146A	
	80-77	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-646A MK-646A	MKP-146A MK-146A	
	80-77	Premium valve stem seals incl.	Master w/o Rods & Mains	505-646A	505-146A	

6 2.3L 143 (2346cc) SOHC Turbo-Diesel L4 (8 Valve), 91mm Bore (Mitsubishi Eng.) 1987-85
L/D Truck VIN Code "E" 1985-87, Eng. Code "4D55-T" 1985-87

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	87-85	222-91	
1	Bal. Shaft Belt	87-85	222-92	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.3L 143 (2346cc) SOHC Turbo-Diesel L4 (8 Valve), 91mm Bore (Mitsubishi Eng.) 1987-85 6						
L/D Truck VIN Code "E" 1985-87, Eng. Code "4D55-T" 1985-87 (cont.)						
BLOCK	QTY 16	VALVE, MISC Keeper	YEARS 87-85	PART NO. VK-232	DESCRIPTION	
	QTY 1	PISTON Pin Bushing Set	YEARS 87-85	PART NO. 4-68304Y	DESCRIPTION	
	QTY 1 1	ENGINE BEARINGS Main Set Rod Set	YEARS 87-85 87-85	PART NO. 6593M Std-.25-.50-.75MM 4-66675P Std-.25-.50-.75-1.00MM	DESCRIPTION	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 87-85	PART NO. 381-8029	DESCRIPTION	
2.4L 144 OHV L6, 3.5" Bore 1966-60 7						
L/D Truck VIN Codes "D" 1960-62, "S" 1960-66						
VALVE TRAIN	QTY 1 1 1 1	TIMING 3 Piece Set Timing Chain Crank Sprocket Cam Sprocket	YEARS 64-61 64-61 64-61 64-61	PART NO. KT3-351S 222-351 223-397 223-308	DESCRIPTION Incl. (1) 222-351, (1) 223-308, (1) 223-397 50 Links 19 Teeth 38 Teeth	
	QTY 1 12 12 1	CAMSHAFT/LIFTER Camshaft Lifter Lifter, Bulk Prelube	YEARS 64-61 64-61 64-61 64-61	PART NO. CS-261 AT-872 Std Only AT-872B Std Only 55-400	DESCRIPTION 14 teeth on dist. drive gear Mech. Mech.; Carton of 122 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY 1	CAM KIT Cam/Lifter Kit	YEARS 64-61	PART NO. KC-261	DESCRIPTION Mech.; 14 teeth on dist. drive gear; Incl. (12) AT-872, (1) CS-261, (1) 55-403B	
	QTY 12	PUSH ROD Push Rod	YEARS 64-61	PART NO. RP-3076	DESCRIPTION Std. length; 8.2300" O.A.L.	
	QTY 12 1	ROCKER PARTS Arm Rocker Shaft	YEARS 64-61 64-61	PART NO. R-810 RS-619	DESCRIPTION	
	QTY 6	VALVE Exhaust	YEARS 64-61	PART NO. V-1439 Std Only	DESCRIPTION 1.2660" Head Dia., .3100" Stem Dia., 4.2600" O.A.L.	
	QTY 12 12 12	VALVE SPRING Spring Spring Spring	YEARS 64 63 62-61	PART NO. VS-562 VS-624 VS-562	DESCRIPTION 2.0000" Free Height 1.8280" Free Height w/o Rotocaps; 2.0000" Free Height	
	QTY 12 12 12 12	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk Valve Stem Seal Bulk	YEARS 64-61 64-61 64-61 64-61	PART NO. ST-2005 MV-1796A ST-2005BC MV-1796	DESCRIPTION Positive type; Installation requires valve guide machining; Rubber/PTFE Umbrella type; Fits Std. to .015" O/S valve stem Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber	
	QTY 24 24 24 12 12 12 12 12	VALVE, MISC Keeper Keeper Keeper, Bulk Spring Insert Spring Insert Spring Insert Spring Insert Spring Insert	YEARS 64-61 64-61 64-61 64-61 64-61 64-61 64-61 64-61	PART NO. VK-144 VK-144R VK-144B 259-102C 259-102B 259-102A 259-102ARS	DESCRIPTION 1 groove; Square cut key groove 1 groove; Square cut key groove; Hardened 1 groove; Square cut key groove; Carton of 1000 .015"; Carton of 100 .030"; Carton of 100 .060"; Carton of 100 .060"; Carton of 500	
	QTY 1 1 6 6	RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set	YEARS 64-61 64-61 64-61 64-61	PART NO. E-197K Std-20-30-40-60 E-197X Std-20-30-40-60 WE-197K Std-20-30-40 WE-197X Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16	
	QTY 1 1 6 1	ENGINE BEARINGS Main Set Rod Set Rod Pair Cam Set	YEARS 64-60 64-60 64-60 64-60	PART NO. 4222M Std-10-20 6-2380CP Std-1-10-20-30-40 2380CP Std-1-10-20-30-40 1439M Std Only	DESCRIPTION	
	QTY 1	GASKETS Kit Gasket Set	YEARS 66-60	PART NO. 260-1002	DESCRIPTION Premium valve stem seals incl.	
	BLOCK					

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

7 2.4L 144 OHV L6, 3.5" Bore 1966-60 (cont.) L/D Truck VIN Codes "D" 1960-62, "S" 1960-66						
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	66-61	381-8013			
8 2.8L 170 OHV L6, 3.5" Bore 1972-61 L/D Truck VIN Codes "F" 1966-72, "U" 1961-65						
QTY	RE-RING KIT	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.	
64-61	Premium valve stem seals incl.		Re-ring	205-605	205-105	
VALVE TRAIN						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	3 Piece Set	72-62	KT3-351S	Incl. (1) 222-351, (1) 223-308, (1) 223-397		
1	Timing Chain	72-62	222-351	50 Links		
1	Crank Sprocket	72-62	223-397	19 Teeth		
1	Cam Sprocket	72-62	223-308	38 Teeth		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft	72-62	CS-261	14 teeth on dist. drive gear		
12	Lifter	72-62	AT-872 Std Only	Mech.		
12	Lifter, Bulk	72-62	AT-872B Std Only	Mech.; Carton of 122		
1	Prelube	72-62	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
1	Cam/Lifter Kit	72-62	KC-261	Mech.; 14 teeth on dist. drive gear; Incl. (12) AT-872, (1) CS-261, (1) 55-403B		
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
12	Push Rod	70-62	RP-3076	Std. length; 8.2300" O.A.L.		
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
12	Arm	72-62	R-810			
1	Rocker Shaft	72-62	RS-619			
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
6	Exhaust	72-65	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.		
6	Exhaust	64-62	V-1439 Std Only	1.2660" Head Dia., .3100" Stem Dia., 4.2600" O.A.L.		
6	Intake	72-65	V-1717 Std Only	w/o Chrome plated stem; 1.6555" Head Dia., .3102" Stem Dia., 4.2638" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
12	Spring	72-64	VS-562	2.0000" Free Height		
12	Spring	63	VS-624	1.8280" Free Height		
12	Spring	62	VS-562	2.0000" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
12	Valve Stem Seal	72-62	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE		
12	Valve Stem Seal	72-62	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem		
12	Valve Stem Seal Bulk	72-62	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
12	Valve Stem Seal Bulk	72-62	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
6	Exh.	72-65	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth		
6	Int.	72-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth		
6	Exh.	64-62	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth		
6	Int.	64-62	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
24	Keeper	72-62	VK-144	1 groove; Square cut key groove		
24	Keeper	72-62	VK-144R	1 groove; Square cut key groove; Hardened		
24	Keeper, Bulk	72-62	VK-144B	1 groove; Square cut key groove; Carton of 1000		
12	Spring Insert	72-62	259-102C	.015"; Carton of 100		
12	Spring Insert	72-62	259-102B	.030"; Carton of 100		
12	Spring Insert	72-62	259-102A	.060"; Carton of 100		
12	Spring Insert	72-62	259-102ARS	.060"; Carton of 500		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
6	Cast Piston	72-61	302NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9122" Pin Dia., Flat Head - 8.5:1 C.R.		
6	Cast Piston - Individual	72-61	W302NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9122" Pin Dia., Flat Head - 8.5:1 C.R.		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	72-62	E-197K Std-20-30-40-60	2-5/64, 1-3/16		
1	Standard Set	72-62	E-197X Std-20-30-40-60	2-5/64, 1-3/16		
6	Premium Single Cylinder Set	72-62	WE-197K Std-20-30-40	2-5/64, 1-3/16		
6	Standard Single Cylinder Set	72-62	WE-197X Std-20-30-40-60	2-5/64, 1-3/16		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.8L 170 OHV L6, 3.5" Bore 1972-61 8					
L/D Truck VIN Codes "F" 1966-72, "U" 1961-65 (cont.)					
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	72-61	4222M	Std-10-20
	1	Rod Set	72-61	6-2380CP	Std-1-10-20-30-40
	6	Rod Pair	72-61	2380CP	Std-1-10-20-30-40
	1	Cam Set	72-61	1439M	Std Only
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	72-65	224-41146	
	1	Inter. Shaft	72-65	224-61120	
	1	Screen Assy.	72-66	224-11146	Exc. Bronco
	1	Screen Assy.	65	224-11146	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	72-61	260-1002	Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	72-61	381-8013	
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	72-62	Premium valve stem seals incl.	Re-ring	205-605	205-105
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	72-65	Premium valve stem seals incl.; Incl. Mech. lifters; 14 teeth on dist. drive gear	Master Master w/o Pistons	MKP-605D MK-605D	MKP-105D MK-105D
2.8L 171 (2792cc) OHV V6 (12 Valve), 93mm Bore 1986-83 9					
L/D Truck VIN Code "S" 1983-86					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	86-83	221-2760SA	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	86-83	CS-745	
	12	Lifter	86-83	AT-872	Std Only
	12	Lifter, Bulk	86-83	AT-872B	Std Only
	1	Prelube	86-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	86-83	KC-745	Mech.; Incl. (12) AT-872, (1) CS-745, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-83	KCT-745	Mech.; Incl. (12) AT-872, (1) CS-745, (1) 221-2760SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	86-83	RP-3233	5.4290" O.A.L.
	12	Push Rod, Bulk	86-83	BRP-3233	Carton of 100; 5.4290" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	86-83	R-907	
	2	Rocker Shaft	86-83	RS-637	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	86-83	V-1992	Std Only
					Chrome plated stem; 1.2690" Head Dia., .3154" Stem Dia., 4.1620" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	86-83	VG-5016	.3175" ID, 2.0000" O.A.L.
	12	Guide	86-83	VG-5016T	Threaded; .3175" ID, 2.0000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	86-83	VS-827	2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	24	Valve Stem Seal	86-83	MV-1828C	Positive type; Polyacrylate
	24	Valve Stem Seal Bulk	86-83	MV-1828	Positive type; Carton of 50; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	86-83	245-1375-1	Std Only
	6	Int.	86-83	245-1687-2N	Std Only
	6	Int.	86-83	245-1687-2	Std Only
					1.3795" OD, 1.1250" ID, .2160" Depth Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth 1.6925" OD, 1.4375" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	86-83	VK-204	Exh.; 3 groove; w/.3125 Stem Dia.
	12	Keeper	86-83	VK-144	Int.; 1 groove; Square cut key groove
	12	Keeper	86-83	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
	12	Keeper, Bulk	86-83	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	86-83	433NP	Std-20-30-40-60
	6	Cast Piston - Individual	86-83	W433NP	Std-20-30-40-60
					Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.511" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R. Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 1.511" CD, .9447" Pin Dia., Flat Head - 8.0:1 C.R.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

9 2.8L 171 (2792cc) OHV V6 (12 Valve), 93mm Bore 1986-83
(cont.) L/D Truck VIN Code "S" 1983-86

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	86-83	E-351KC Std.-50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	1	Standard Set	86-83	E-351X Std.-50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	6	Premium Single Cylinder Set	86-83	WE-351KC Std.-50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	6	Standard Single Cylinder Set	86-83	WE-351X Std.-50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	86-83	6101MA Std-10-20-30	w/flanged brg.; A-Series aluminum bearings; Flanged brg.	
	1	Main Set	86-83	7269MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.	
	1	Rod Set	86-83	6-3055CP Std-10-20-30	Use in .002" O/S Rod Bore	
	1	Rod Set	86-83	6-3055CP10X2 10X2-20X2		
	6	Rod Pair	86-83	3055CP Std-10-20-30		
	1	Cam Set	86-83	1838M Std Only	Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	86-83	224-41163	High Volume, check pan for clearance	
	1	Oil Pump	86-83	224-41163V		
	1	Inter. Shaft	86-83	224-61163		
	1	Screen Assy.	86-83	224-14256		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	86	260-1219	Aerostar; Exh. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1219	Exc. Aerostar; Premium valve stem seals incl.	
	1	Kit Gasket Set	85-83	260-1219	Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	86-83	381-8030		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	86	Aerostar; Exh. manifold gskt. not incl.; w/flanged brg.; Incl. A-Series aluminum bearings; Full flange thrust brg. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-897M	205-397M
	86	Aerostar; Exh. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-897	205-397
	86	Exc. Aerostar; w/flanged brg.; Incl. A-Series aluminum bearings; Full flange thrust brg. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-897M	205-397M
	86	Exc. Aerostar; Premium valve stem seals incl.	Re-ring		205-897	205-397
	85-83	w/flanged brg.; Incl. A-Series aluminum bearings; Full flange thrust brg. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-897M	205-397M
	85-83	Premium valve stem seals incl.	Re-ring		205-897	205-397

10 2.9L 177 (2935cc) OHV V6 (12 Valve), 93mm Bore 1990-86
L/D Truck VIN Code "T" 1986-92

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	90-86	KT3-60S	Incl. (1) 222-3SR60X, (1) 223-650, (1) 223-651	
	1	Timing Chain	90-86	222-3SR60X	60 Links	
	1	Timing Chain Tensioner	90-86	222-157CT		
	1	Timing Chain Guide	90-86	222-187GP		
	1	Crank Sprocket	90-86	223-651	19 Teeth	
	1	Cam Sprocket	90-86	223-650	38 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-86	CS-814	Hyd.	
	12	Lifter	90-86	HT-2083 Std Only	Hyd.; Carton of 122	
	12	Lifter, Bulk	90-86	HT-2083B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	90-86	55-400		
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-86	KC-814	Hyd.; Incl. (1) CS-814, (12) HT-2083, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-86	KCT-814	Hyd.; Incl. (1) CS-814, (12) HT-2083, (1) KT3-60S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	90-86	RP-3233	5.4290" O.A.L.	
	12	Push Rod, Bulk	90-86	BRP-3233	Carton of 100; 5.4290" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm	90-86	R-1093		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

2.9L 177 (2935cc) OHV V6 (12 Valve), 93mm Bore 1990-86 **10**

L/D Truck VIN Code "T" 1986-92 (cont.)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
2	Rocker Shaft	90-86	RS-637	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6 Exhaust	90-86	V-2553 Std-15	Chrome plated stem; 1.4170" Head Dia., .3153" Stem Dia., 4.1350" O.A.L.
	6 Exhaust, Bulk	90-86	V-2553B Std-15	Chrome plated stem; Carton of 25; 1.4170" Head Dia., .3153" Stem Dia., 4.1350" O.A.L.
	6 Intake	90-86	V-2554 Std-15	Chrome plated stem; 1.6530" Head Dia., .3160" Stem Dia., 4.1340" O.A.L.
	6 Intake, Bulk	90-86	V-2554B Std-15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3160" Stem Dia., 4.1340" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12 Guide	90-86	VG-5016	Exh. & Int.; .3175" ID, 2.0000" O.A.L.
12	Guide	90-86	VG-5016T	Exh. & Int.; Threaded; .3175" ID, 2.0000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-86	VS-1567	2.1750" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	90-86	ST-2109	Exh. & Int.; Positive type; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6 Exh.	90-86	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6 Exh.	90-86	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6 Int.	90-86	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
6	Int.	90-86	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12 Keeper	90-86	VK-204	Exh.; 3 groove; w/.3125 Stem Dia.
	12 Keeper	90-86	VK-144	Int.; 1 groove; Square cut key groove
	12 Keeper	90-86	VK-144R	Int.; 1 groove; Square cut key groove; Hardened
12	Keeper, Bulk	90-86	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6 Cast Piston	90-86	520P Std-.50-.75-1.00-1.50MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
	6 Cast Piston - Individual	90-86	W520P Std-.50-.75-1.00-1.50MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
1	Cast Piston Set w/Prem. Rings	90-86	6K520P.75MM .75-1.00MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.525" CD, .9447" Pin Dia., Recessed Head .165" deep x 2.580" dia. - 9.0:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1 Premium Set	90-86	E-481K Std-.50-.75-1.00-1.50MM	1-1.60MM, 1-1.75MM, 1-3.50MM
	1 Standard Set	90-86	E-481X Std-.50-.75-1.00-1.50MM	1-1.60MM, 1-1.75MM, 1-3.50MM
	6 Premium Single Cylinder Set	90-86	WE-481K Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM
6	Standard Single Cylinder Set	90-86	WE-481X Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1 Main Set	90	7246MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1 Main Set	90	7245MA Std-10-20-30	A-Series aluminum bearings; Full flange thrust brg.
	1 Main Set	89-86	7269MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1 Main Set	89-86	6101MA Std-10-20-30	A-Series aluminum bearings; Flanged brg.
	1 Rod Set	90-86	6-3055CP Std-10-20-30	
	1 Rod Set	90-86	6-3055CP10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1 Rod Pair	90-86	3055CP Std-10-20-30	
	1 Cam Set	90-86	1838M Std Only	Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1 Oil Pump	90-86	224-43431	
	1 Inter. Shaft	90-86	224-14274	
1	Screen Assy.	90-86	224-12255	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1 Kit Gasket Set	90-87	260-1220	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1 Kit Gasket Set	86	260-1220	Oil pan gskt. to 10/15/85 not incl.; PermaDry® molded rubber oil pan gskt. from 10/16/85 incl.; Premium valve stem seals incl.
1	Head Bolt Set	90-86	260-2509	Replacement recommended
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-86	381-8064	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

10 2.9L 177 (2935cc) OHV V6 (12 Valve), 93mm Bore 1990-86
(cont.) L/D Truck VIN Code "T" 1986-92

K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flange thrust brg. incl.	Re-ring w/Mains	205-6262M	205-1262M	
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-898	205-398	
	89-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-898	205-398	
	89-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flange thrust brg. incl.	Re-ring w/Mains	205-898M	205-398M	
	86	Oil pan gskt. to 10/15/85 not incl.; PermaDry® molded rubber oil pan gskt. from 10/16/85 incl.; Premium valve stem seals incl.	Re-ring	205-898	205-398	
	86	Oil pan gskt. to 10/15/85 not incl.; PermaDry® molded rubber oil pan gskt. from 10/16/85 incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flange thrust brg. incl.	Re-ring w/Mains	205-898M	205-398M	
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flange thrust brg. incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	Block w/Pump & Freeze Plugs	BKP-6117	----	
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Full flanged thrust brg. incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	Block	BK-6117	----	
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	Master w/o Rods & Mains	505-898C	505-398C	
	90	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design; Incl. A-Series aluminum bearings ; Full flanged thrust brg. incl.	Master Master w/o Pistons	MKP-898C MK-898C	MKP-398C MK-398C	
	89-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design; Incl. A-Series aluminum bearings ; Full flanged thrust brg. incl.	Master Master w/o Pistons	MKP-898A MK-898A	MKP-398A MK-398A	
	89-87	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	Master w/o Rods & Mains	505-898C	505-398C	
	86	Oil pan gskt. to 10/15/85 not incl.; PermaDry® molded rubber oil pan gskt. from 10/16/85 incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design; Incl. A-Series aluminum bearings ; Full flanged thrust brg. incl.	Master Master w/o Pistons	MKP-898A MK-898A	MKP-398A MK-398A	
	86	Oil pan gskt. to 10/15/85 not incl.; PermaDry® molded rubber oil pan gskt. from 10/16/85 incl.; Premium valve stem seals incl.; Incl. No. 2 & 3 spec. oil control brgs. w/360 deg. OD groove that differs from O.E. design	Master w/o Rods & Mains	505-898C	505-398C	

11 3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86
L/D Truck VIN Codes "U" 1986-2008, "V" 1999-2008 (Flex Fuel)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-86	KT3-374S	Incl. (1) 222-374, (1) 223-636, (1) 223-649
1	Timing Chain	90-86	222-374	62 Links
1	Crank Sprocket	90-86	223-649	19 Teeth
1	Cam Sprocket	90-86	223-636	38 Teeth

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86 11
L/D Truck VIN Codes "U" 1986-2008, "V" 1999-2008 (Flex Fuel) (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-86	CS-787	
	12	Lifter	90-86	HT-900 Std Only	Hyd.
	12	Lifter, Bulk	90-86	HT-900B Std Only	Hyd.; Carton of 122
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-86	KC-787	Hyd.; Incl. (1) CS-787, (12) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-86	KCT-787	Hyd.; Incl. (1) CS-787, (12) HT-900, (1) KT3-374S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-86	RP-3281	5.9600" O.A.L.
	12	Push Rod, Bulk	90-86	BRP-3281	Carton of 100; 5.9600" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-86	R-1007	Incl. arm & pivot
	12	Pivot	90-86	MR-1881	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-86	V-3957 Std-15	Chrome plated stem; 1.3710" Head Dia., .3125" Stem Dia., 4.6150" O.A.L.
	6	Exhaust, Bulk	90-86	V-3957B15 15	Chrome plated stem; Carton of 25; 1.3710" Head Dia., .3275" Stem Dia., 4.6150" O.A.L.
	6	Intake	90-86	V-2448 Std-15	Chrome plated stem; 1.6610" Head Dia., .3130" Stem Dia., 4.6150" O.A.L.
	6	Intake, Bulk	90-86	V-2448B15 15	Chrome plated stem; Carton of 25; 1.6610" Head Dia., .3280" Stem Dia., 4.6150" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-86	VG-5085T	.3150" ID, 2.2000" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-86	VS-1462	1.8400" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-86	ST-2103	Exh.; Positive type; Rubber
	6	Valve Stem Seal	90-86	ST-2102	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-86	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
	6	Exh.	90-86	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
	6	Int.	90-86	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	6	Int.	90-86	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
VALVE, MISC	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-86	VK-204	3 groove; w/.3125 Stem Dia.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-86	H497P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.
	6	Cast Piston - Individual	90-86	WH497P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-86	6KH497P.50MM .50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.515" CD, .9122" Pin Dia., Flat Head - 9.2:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-446K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	90-86	E-446KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-86	E-446X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-86	WE-446K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	6	Standard Single Cylinder Set	90-86	WE-446X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-86	7011MA Std-.25-.50MM	A-Series aluminum bearings
	1	Rod Set	90-86	6-1220RA Std-.25-.50MM	A-Series aluminum bearings
	1	Rod Pair	90-86	1220RA Std-.25-.50MM	A-Series aluminum bearings
	1	Cam Set	90-86	1843M Std Only	Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-43636S	From 3/26/90
	1	Oil Pump	90	224-43434S +	From 3/26/90; Incl. screen; When depleted use 224-43636S
	1	Oil Pump	90	224-41101	To 3/25/90
	1	Oil Pump	89-86	224-41101	
	1	Inter. Shaft	90-86	224-6175	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1556	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

11 3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86 (cont.) L/D Truck VIN Codes "U" 1986-2008, "V" 1999-2008 (Flex Fuel)						
BLOCK	QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1222	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89-86	260-1222	Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Head Bolt Set	90-86	260-2515	Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-86	381-8072		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6120 205-6120M	205-1120 205-1120M
				Re-ring Re-ring w/Mains		
	90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6212 205-6212M	205-1212 205-1212M
				Re-ring Re-ring w/Mains		
	89	Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6120 205-6120M	205-1120 205-1120M
				Re-ring Re-ring w/Mains		
	88-86	Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6120 205-6120M	205-1120 205-1120M
				Re-ring Re-ring w/Mains		
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			BKP-6119	----
				Block w/Pump & Freeze Plugs		
	90	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			BK-6119	----
				Block		
	90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			BKP-6120	----
				Block w/Pump & Freeze Plugs		
	90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			BK-6120	----
			Block			
90	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			MKP-6120A MK-6120A	MKP-1120A MK-1120A	
			Master Master w/o Pistons			
90	To 3/25/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			505-6120A	505-1120A	
			Master w/o Rods & Mains			
90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; Oil pump not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			MKP-6212A MK-6212A	MKP-1212A MK-1212A	
			Master Master w/o Pistons			
90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Oil pump not incl.			505-6212A	505-1212A	
			Master w/o Rods & Mains			
90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			MKP-7033 MK-7033	MKP-2033 MK-2033	
			Master Master w/o Pistons			

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.0L 183 (2982cc) OHV V6 (12 Valve/Vulcan), 89mm Bore 1990-86 **11**
L/D Truck VIN Codes "U" 1986-2008, "V" 1999-2008 (Flex Fuel) (cont.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	From 3/26/90; Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-7033	505-2033
	89	Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6120A MK-6120A	MKP-1120A MK-1120A
	89	Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6120A	505-1120A
	89-86	Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6119	----
	89-86	Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6119	----
	88-86	Aerostar & Ranger; w/Stamped steel valve covers; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6120A MK-6120A	MKP-1120A MK-1120A
K I T S	88-86	Aerostar & Ranger; w/Stamped steel valve covers; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6120A	505-1120A

3.3L 200 OHV L6, 3.68" Bore 1974-64 **12**
L/D Truck VIN Code "T" 1964-68 & 1973-74

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	74-73	KT3-351S	Incl. (1) 222-351, (1) 223-308, (1) 223-397
	1	3 Piece Set	68-65	KT3-351S	Incl. (1) 222-351, (1) 223-308, (1) 223-397
	1	Timing Chain	74-73	222-351	50 Links
	1	Timing Chain	68-65	222-351	50 Links
	1	Crank Sprocket	74-73	223-397	19 Teeth
	1	Crank Sprocket	68-65	223-397	19 Teeth
	1	Cam Sprocket	74-73	223-308	38 Teeth
	1	Cam Sprocket	68-65	223-308	38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	65	CS-448	Hyd.
	12	Lifter	74-73	HT-2083 Std Only	Hyd.
	12	Lifter	65	HT-2083 Std Only	Hyd.
	12	Lifter, Bulk	74-73	HT-2083B Std Only	Hyd.; Carton of 122
	12	Lifter, Bulk	65	HT-2083B Std Only	Hyd.; Carton of 122
	1	Prelube	65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	65	KC-448	Hyd.; Incl. (1) CS-448, (12) HT-2083, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	65	RP-3176	Std. length; 8.3500" O.A.L.
	12	Push Rod, Bulk	65	BRP-3176	Std. length; Carton of 100; 8.3500" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	65	RS-619	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	65	V-1983 Std-15	Chrome plated stem; 1.3900" Head Dia., .3101" Stem Dia., 4.2600" O.A.L.
	6	Intake	65	V-1717 Std Only	w/o Chrome plated stem; 1.6555" Head Dia., .3102" Stem Dia., 4.2638" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	65	VS-624	1.8280" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	74-73	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	68-65	ST-2005	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	74-73	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem
	12	Valve Stem Seal	68-65	MV-1796A	Umbrella type; Fits Std. to .015" O/S valve stem

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

12 3.3L 200 OHV L6, 3.68" Bore 1974-64
(cont.) L/D Truck VIN Code "T" 1964-68 & 1973-74

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN	
		Valve Stem Seal Bulk	74-73	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
	12	Valve Stem Seal Bulk	74-73	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber		
	12	Valve Stem Seal Bulk	68-65	ST-2005BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
	12	Valve Stem Seal Bulk	68-65	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber		
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK	
	24	Keeper	74-73	VK-144	1 groove; Square cut key groove		
	24	Keeper	74-73	VK-144R	1 groove; Square cut key groove; Hardened		
	24	Keeper	65	VK-144	1 groove; Square cut key groove		
	24	Keeper	65	VK-144R	1 groove; Square cut key groove; Hardened		
	24	Keeper, Bulk	74-73	VK-144B	1 groove; Square cut key groove; Carton of 1000		
	24	Keeper, Bulk	65	VK-144B	1 groove; Square cut key groove; Carton of 1000		
	12	Spring Insert	65	259-102C	.015"; Carton of 100		
	12	Spring Insert	65	259-102B	.030"; Carton of 100		
	12	Spring Insert	65	259-102A	.060"; Carton of 100		
	12	Spring Insert	65	259-102ARS	.060"; Carton of 500		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	6	Cast Piston	74-73	275NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.		
	6	Cast Piston	68-65	275NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.		
	6	Cast Piston - Individual	74-73	W275NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.		
	6	Cast Piston - Individual	68-65	W275NP	Std-20-30-40-60-80 Cast; 2-5/64", 1-3/16" Ring Groove, 1.500" CD, .9125" Pin Dia., Recessed Head .105" deep x 2.320" dia. - 9.2:1 C.R.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	74-73	E-219K	Std-20-30-40-60 2-5/64, 1-3/16			
1	Premium Set	68-65	E-219K	Std-20-30-40-60 2-5/64, 1-3/16			
1	Standard Set	74-73	E-219X	Std-20-30-40-60 2-5/64, 1-3/16			
1	Standard Set	68-65	E-219X	Std-20-30-40-60 2-5/64, 1-3/16			
6	Premium Single Cylinder Set	74-73	WE-219K	Std-20-30-40-60 2-5/64, 1-3/16			
6	Premium Single Cylinder Set	68-65	WE-219K	Std-20-30-40-60 2-5/64, 1-3/16			
6	Standard Single Cylinder Set	74-73	WE-219X	Std-20-30-40-60 2-5/64, 1-3/16			
6	Standard Single Cylinder Set	68-65	WE-219X	Std-20-30-40-60 2-5/64, 1-3/16			
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
1	Main Set	74-73	4290M	Std-10-20-30 7 full groove brgs.			
1	Main Set	68-65	4290M	Std-10-20-30 7 full groove brgs.			
1	Rod Set	74-73	6-2380CP	Std-1-10-20-30-40			
1	Rod Set	68-65	6-2380CP	Std-1-10-20-30-40			
6	Rod Pair	74-73	2380CP	Std-1-10-20-30-40			
6	Rod Pair	68-65	2380CP	Std-1-10-20-30-40			
1	Cam Set	74-73	1439M	Std Only			
1	Cam Set	68-65	1439M	Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	74-73	224-41146				
1	Oil Pump	65	224-41146				
1	Inter. Shaft	74-73	224-61120				
1	Inter. Shaft	65	224-61120				
1	Screen Assy.	65	224-11146				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	74-73	260-1002	Premium valve stem seals incl.			
1	Kit Gasket Set	68-64	260-1002	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	74-73	381-8013				
1	Brass Block Plug Kit	68-64	381-8013				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	74-73	Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Re-ring w/Mains		205-608M	205-108M	
	74-73	Premium valve stem seals incl.	Re-ring		205-608A	205-108A	
	68-65	Premium valve stem seals incl.; Incl. 7 full groove main brgs.	Re-ring w/Mains		205-608M	205-108M	
	68-65	Premium valve stem seals incl.	Re-ring		205-608A	205-108A	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

					3.3L 200 OHV L6, 3.68" Bore 1974-64 12		
					L/D Truck VIN Code "T" 1964-68 & 1973-74 (cont.)		
OVERHAUL KIT						PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION						
65	Premium valve stem seals incl.			Master w/o Rods & Mains		505-608A	505-108A
65	Premium valve stem seals incl.; Incl. 7 full groove main brgs.			Master Master w/o Pistons		MKP-608A MK-608A	MKP-108A MK-108A
					3.5L 215 OHV L6, 3.5625" Bore 1953-52 13		
					L/D Truck		
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1	Timing Chain	53-52	222-354	Silent type; 1" wide chain; 56 Links		
	1	Crank Sprocket	53-52	223-250	Use w/silent type chain; 21 Teeth		
	1	Cam Sprocket	53-52	223-249	Use w/silent type chain; 42 Teeth		
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
	12	Push Rod	53-52	RP-3021	9.8200" O.A.L.		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	6	Exhaust	53-52	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	12	Guide	53-52	VG-5034	Cut to fit; .3430" ID, 2.5000" O.A.L.		
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	12	Spring	53-52	VS-1575	2.1250" Free Height		
	12	Spring, Bulk	53-52	VS-1575B	Carton of 250; 2.1250" Free Height		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
	12	Valve Stem Seal	53-52	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE		
	12	Valve Stem Seal	53-52	MV-1903	Use w/VG-5034 repair guide; Positive type; Rubber		
	12	Valve Stem Seal	53-52	MV-1233C	O-Ring; Rubber		
	12	Valve Stem Seal Bulk	53-52	MV-1233	O-Ring; Carton of 100; Rubber		
	12	Valve Stem Seal Bulk	53-52	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
BLOCK	24	Keeper	53-52	VK-115	1 groove; Square cut key groove		
	24	Keeper	53-52	VK-115R	1 groove; Square cut key groove; Hardened		
	24	Keeper, Bulk	53-52	VK-115B	1 groove; Square cut key groove; Carton of 1000		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	6	Pin Bushing	53-52	1834V20	1.306" length; .020" extra bore stock		
	6	Pin Bushing	53-52	1834V	1.306" max. length		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	53-52	E-237KC Std-20-30-40-60	2-3/32, 1-3/16		
	1	Standard Set	53-52	E-237X Std-20-30-40-60-80	2-3/32, 1-3/16		
	6	Premium Single Cylinder Set	53-52	WE-237KC Std-20-30-40-60	2-3/32, 1-3/16		
BLOCK	6	Standard Single Cylinder Set	53-52	WE-237X Std-30-40-60-80	2-3/32, 1-3/16		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	53-52	4056M Std-10-20-30	1 oil hole w/o cross-drilled cam journals		
	6	Rod Pair	53-52	1830CP Std-1-2-10-20-30-40-50			
	1	Cam Set	53-52	1133M Std Only			
					3.6L 221 L-HEAD V8 (Ford), 3.0625" Bore 1942-32 14		
					L/D Truck		
BLOCK	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	16	Spring	42-32	VS-393	2.4800" Free Height		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
	32	Keeper	42-32	VK-88	Valve guide retainer		
	16	Spring Insert	42-32	259-102C	.015"; Carton of 100		
	16	Spring Insert	42-32	259-102B	.030"; Carton of 100		
BLOCK	16	Spring Insert	42-32	259-102A	.060"; Carton of 100		
	16	Spring Insert	42-32	259-102ARS	.060"; Carton of 500		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	8	Pin Bushing	42-39	9024XBS	.820" max. housing bore		
	8	Pin Bushing	42-39	9024V	Split type bushing; .801" max. housing bore		
	8	Pin Bushing	42-39	9024VA	Split type bushing; .8125" max. housing bore		
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	42-39	533M Std-10-20-30			
	8	Rod Pair	42-39	9800CA Std-10-20-30			
	1	Cam Set	42-39	1005M Std Only			

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

14 3.6L 221 L-HEAD V8 (Ford), 3.0625" Bore 1942-32 (cont.) L/D Truck					
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	42-32	224-41108	w/drive gear	
15 3.6L 223 OHV L6, 3.625" Bore 1964-54 L/D Truck VIN Codes "A" 1954-59, "J" 1960-64, "V" 1960-64					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	64-54	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	64-54	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	64-54	223-249	Use w/silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	64-54	CS-559	12 teeth on dist. drive gear
	1	Prelube	64-54	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	64-54	RP-3021	9.8200" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	64-54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	6	Intake	64-54	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	64-54	VG-5034	Cut to fit; .3430" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	64-54	VS-1575	2.1250" Free Height
	12	Spring, Bulk	64-54	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	64-54	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	64-54	MV-1903	Use w/VG-5034 repair guide; Positive type; Rubber
	12	Valve Stem Seal	64-54	MV-1599C	Umbrella type; Rubber
	12	Valve Stem Seal Bulk	64-54	MV-1599	Umbrella type; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	64-54	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	64-54	VK-115	1 groove; Square cut key groove
	24	Keeper	64-54	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	64-54	VK-115B	1 groove; Square cut key groove; Carton of 1000
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	64-54	1011P Std-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 1.858" CD, .9122" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Cast Piston - Individual	64-54	W1011P Std-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 1.858" CD, .9122" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Pin Bushing	64-61	2469V	1.276" length
	6	Pin Bushing	60-54	1834V20	1.306" length; .020" extra bore stock
	6	Pin Bushing	60-54	1834V	1.306" max. length
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	64-54	E-156X Std-30-40-60	2-3/32, 1-3/16
	6	Standard Single Cylinder Set	64-54	WE-156X Std-60	2-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	64-54	4056M Std-10-20-30	
	6	Rod Pair	64-61	2465CPB Std-10-20	3 oil holes
	6	Rod Pair	60-54	1830CP Std-1-2-10-20-30-40-50	1 oil hole
	1	Cam Set	64-54	1133M Std Only	w/o cross-drilled cam journals
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	61	224-41105	To 11/30/60; 1/4" drive & roll pin shaft retainer
	1	Oil Pump	60-55	224-41105	1/4" drive & roll pin shaft retainer
	1	Inter. Shaft	60	224-61104	To Ser. No. 320000; For gear type oil pump
	1	Inter. Shaft	59-55	224-61104	For gear type oil pump
16 3.7L 226 L-HEAD L6, 3.2969" Bore 1951-47 L/D Truck					
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	51-47	VG-406	.3435" ID, 2.9210" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	51-48	245-1625-15 Std Only	1.6300" OD, 1.3750" ID, .2656" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	51-47	VK-115	1 groove; Square cut key groove
	24	Keeper	51-47	VK-115R	1 groove; Square cut key groove; Hardened

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.7L 226 L-HEAD L6, 3.2969" Bore 1951-47 **16**

L/D Truck (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
24	Keeper, Bulk	51-47	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Pin Bushing	51-47	1229VA	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	51-47	645M10 10-20	
6	Rod Pair	51-47	1525CA10 10-20	
1	Cam Set	51-47	1089M Std Only	

3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1983-82 **17**

L/D Truck VIN Codes "C" 1982-83, "3" 1982-83, "4" 1995-2003

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	83-82	KT3-365SA	Incl. (1) 222-365, (1) 223-539, (1) 223-542A
1	Timing Chain	83-82	222-365	60 Links
1	Crank Sprocket	83-82	223-539	21 Teeth
1	Cam Sprocket	83-82	223-542A	42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	83-82	CS-733	Hyd.
12	Lifter	83-82	HT-900 Std Only	Hyd.; Carton of 122
12	Lifter, Bulk	83-82	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	83-82	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	83-82	KC-733	Hyd.; Incl. (1) CS-733, (12) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	83-82	KCT-733	Hyd.; Incl. (1) CS-733, (12) HT-900, (1) KT3-365SA, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	83-82	RP-3234	7.7700" O.A.L.
12	Push Rod, Bulk	83-82	BRP-3234	Carton of 100; 7.7700" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	83-82	R-1008	Incl. arm & pivot
12	Arm Assy., Bulk	83-82	R-1008B	Incl. arm & pivot; Carton of 64
12	Arm	83-82	R-1008W	
12	Pivot	83-82	MR-1842	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	83-82	V-2231 Std-15	1.4600" Head Dia., .3414" Stem Dia., 4.8450" O.A.L.
6	Exhaust, Bulk	83-82	V-2231B Std-15	Chrome plated stem; Carton of 25; 1.4600" Head Dia., .3414" Stem Dia., 4.8450" O.A.L.
6	Intake	83-82	V-2232 Std-15	Chrome plated stem; 1.7820" Head Dia., .3419" Stem Dia., 4.8400" O.A.L.
6	Intake, Bulk	83-82	V-2232B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 4.8400" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	83-82	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
12	Guide	83-82	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
12	Guide	83-82	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
12	Guide, Bulk	83-82	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
12	Guide, Bulk	83-82	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	83-82	VS-661	Int.; Incl. damper; 2.0460" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	83-82	ST-2110	Int.; Positive type
6	Valve Stem Seal	83-82	MV-1819C	Exh.; Umbrella type; Nylon
6	Valve Stem Seal Bulk	83-82	MV-1819	Exh.; Umbrella type; Carton of 50; Nylon
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	83-82	245-1625-54 Std Only	1.6320" OD, 1.3290" ID, .2800" Depth
6	Int.	83-82	245-1875-50 Std Only	1.8820" OD, 1.6400" ID, .2800" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	83-82	VK-205	Exh. & Int.; 4 groove
24	Keeper	83-82	VK-205R	Exh. & Int.; 4 groove; Hardened
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	83-82	481P Std-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.584" CD, .9122" Pin Dia., Recessed Head .070" deep x 2.115" dia. - 8.6:1 C.R.
6	Cast Piston - Individual	83-82	W481P Std-.75-1.00-1.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.584" CD, .9122" Pin Dia., Recessed Head .070" deep x 2.115" dia. - 8.6:1 C.R.

VALVE TRAIN

VALVE TRAIN

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

17 3.8L 232 (3797cc) OHV V6, 96.8mm Bore 1983-82

(cont.) L/D Truck VIN Codes "C" 1982-83, "3" 1982-83, "4" 1995-2003

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	83-82	E-415K	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM	
	1	Standard Set	83-82	E-415X	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM	
	6	Premium Single Cylinder Set	83-82	WE-415K	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM	
	6	Standard Single Cylinder Set	83-82	WE-415X	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	83-82	7368M.50MM	.50MM O/S length flange brg.	
	1	Main Set	83-82	7295MA	Std-.026-.25-.50-.75-1.00MM A-Series aluminum bearings	
	1	Rod Set	83-82	6-3830CPA	Std-.25-.50-.75-1.00MM	
	1	Rod Set	83-82	6-3830A.026MM *	.026MM A-Series aluminum bearings	
1	Rod Set	83-82	6-3830CPA25X2	25X2-50X2-75X2 Use in .002" O/S Rod Bore		
6	Rod Pair	83-82	3830CPA	Std-.25-.50-.75-1.00MM		
6	Rod Pair	83-82	3830A.026MM	.026MM A-Series aluminum bearings		
1	Cam Set	83-82	1493M	Std Only		
1	Bal. Shaft Set	83-82	1807M			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Pump Repair Kit	83-82	224-51162			
1	Inter. Shaft	83-82	224-61162			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	83-82	260-1166	Head bolts not incl.; Premium valve stem seals incl.		
2	Head Bolt Set	83-82	260-2511	Replacement recommended		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	83-82	381-8053			
1	Steel Block Plug Kit	83-82	381-9654			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	83-82	Head bolts not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring w/Mains	205-757M 205-257M
	83-82	Head bolts not incl.; Premium valve stem seals incl.			Re-ring	205-757 205-257
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION					
83-82	Head bolts not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Camshaft w/o thrust washer			Master w/o Pistons	MKP-757A MK-757A MKP-257A MK-257A	
83-82	Head bolts not incl.; Premium valve stem seals incl.; Camshaft w/o thrust washer			Master w/o Rods & Mains	505-757A 505-257A	

18 3.9L 239 OHV V8 (Ford), 3.5" Bore 1955-54

L/D Truck VIN Code "U" 1954-55

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	55-54	222-354	Silent type; 1" wide chain; 56 Links	
	1	Crank Sprocket	55-54	223-250	Use w/silent type chain; 21 Teeth	
	1	Cam Sprocket	55-54	223-249	Use w/silent type chain; 42 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	55-54	AT-872 Std Only	Mech.	
	16	Lifter, Bulk	55-54	AT-872B Std Only	Mech.; Carton of 122	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	55-54	RP-3017	8.2580" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	2	Shaft Assy.	55-54	RA-1001H	For 1 bank	VALVE TRAIN
	1	Shaft Assy.	55-54	RA-1001	For 1 complete Eng.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	55-54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.	
	8	Intake	55-54	V-1128 Std Only	1.6470" Head Dia., .3420" Stem Dia., 5.0900" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	55-54	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.	
	8	Guide	55-54	VG-5071	Exh.; Cut to fit; .3440" ID, 2.6250" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	55	VS-1575	2.1250" Free Height	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.9L 239 OHV V8 (Ford), 3.5" Bore 1955-54 18 L/D Truck VIN Code "U" 1954-55 (cont.)					
BLOCK	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Spring, Bulk	55	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55-54	MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	55-54	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	55-54	MV-1599C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	55-54	MV-1599	Umbrella type; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	55-54	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	55-54	VK-115	1 groove; Square cut key groove
32	Keeper	55-54	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	55-54	VK-115B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	55-54	1834V20	1.306" length; .020" extra bore stock
	8	Pin Bushing	55-54	1834V	1.306" max. length
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	55-54	SL-15M Std Only	3/32" wall, Must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	55-54	884M Std-10-20-30-40-50	
	1	Rod Set	55-54	8-2000CPA Std-10-20-30-40	8-2000CAA 60 avail. as unplated & resizeable
	8	Rod Pair	55-54	2000CPA Std-1-10-20-30-40	
	1	Cam Set	55	1160M Std Only	w/Grooved No. 3 cam journal
1	Cam Set	55-54	1223M Std Only	w/Cross-drilled No. 3 cam journal	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	55	224-41123		
1	Pump Repair Kit	55	224-51297	Rotor type	
3.9L 239.4 L-HEAD V8 (Ford/Mercury), 3.1875" Bore 1953-39 19 L/D Truck					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	53-49	221-2727S	221-2702 not sold separately; Incl. (1) 221-2701, (1) 221-2702
	1	Crank Gear	53-49	221-2701	22 Teeth
	1	Crank Gear	48-41	221-4704	22 Teeth
	1	Cam Gear	48-41	221-4706	Alum.; 44 Teeth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	16	Intake	53-51	V-1041 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8170" O.A.L.
	16	Intake	50-48	V-967 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8190" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	53-48	VG-428	.3435" ID, 2.2000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	53-51	VS-392	2.2000" Free Height	
16	Spring	50-39	VS-393	2.4800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	53-48	MV-1231	O-Ring; Carton of 50; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
16	Int.	53-44	245-1625-15 Std Only	1.6300" OD, 1.3750" ID, .2656" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	53-48	VK-115	1 groove; Square cut key groove	
32	Keeper	53-48	VK-115R	1 groove; Square cut key groove; Hardened	
16	Keeper	53-39	VK-88	Valve guide retainer	
32	Keeper, Bulk	53-48	VK-115B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	53-39	1003P Std-20-30-40-60-80	Cast; 2-3/32", 2-3/16" Ring Groove, 1.519 plus .210 crown" CD, .7500" Pin Dia., Crowned Head w/ring below pin - 7.0:1 C.R.; Not factory duplicate; Repl. O.E. No. 8BA-6108A
	8	Cast Piston - Individual	53-39	W1003P Std-20-30-40-60-80	Cast; 2-3/32", 2-3/16" Ring Groove, 1.519 plus .210 crown" CD, .7500" Pin Dia., Crowned Head w/ring below pin - 7.0:1 C.R.; Not factory duplicate; Repl. O.E. No. 8BA-6108A
	8	Pin Bushing	53-39	9024XBS	.820" max. housing bore
	8	Pin Bushing	53-39	9024VA	Split type bushing; .8125" max. housing bore
	8	Pin Bushing	48-39	9024V	Split type bushing; .801" max. housing bore

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

19 3.9L 239.4 L-HEAD V8 (Ford/Mercury), 3.1875" Bore 1953-39 (cont.) L/D Truck

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	53-39	E-247KC30 30-40-60	2-3/32, 2-3/16
	1	Standard Set	53-39	E-247X Std-30-40-60-80	2-3/32, 2-3/16
	8	Standard Single Cylinder Set	53-39	WE-247X Std-30-40	2-3/32, 2-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Dry Sleeve	53-39	SL-140M Std Only	Flanged, finished bore sleeve; NOTE: Use SL-140M w/3.377" OD when block is not milled between valves and bore; Grind valve reliefs if necessary
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	53-48	646M Std-10-20-30	100 HP
	1	Main Set	48-39	533M Std-10-20-30	
	1	Rod Set	53-48	8-1505CAA Std-10-20	
8	Rod Pair	53-48	1505CAA Std-10-20-30-40		
8	Rod Pair	53-48	9805CA10 10-20-30		
1	Cam Set	53-39	1005M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	53-49	224-41108	w/drive gear	
1	Oil Pump	48-44	224-41108	Requires fabrication of a screen; w/drive gear	

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	53-39	E-247KC30 30-40-60	2-3/32, 2-3/16
	1	Standard Set	53-39	E-247X Std-30-40-60-80	2-3/32, 2-3/16
	8	Standard Single Cylinder Set	53-39	WE-247X Std-30-40	2-3/32, 2-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Dry Sleeve	53-39	SL-140M Std Only	Flanged, finished bore sleeve; NOTE: Use SL-140M w/3.377" OD when block is not milled between valves and bore; Grind valve reliefs if necessary
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	53-48	646M Std-10-20-30	100 HP
	1	Main Set	48-39	533M Std-10-20-30	
	1	Rod Set	53-48	8-1505CAA Std-10-20	
8	Rod Pair	53-48	1505CAA Std-10-20-30-40		
8	Rod Pair	53-48	9805CA10 10-20-30		
1	Cam Set	53-39	1005M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	53-49	224-41108	w/drive gear	
1	Oil Pump	48-44	224-41108	Requires fabrication of a screen; w/drive gear	

20 3.9L 240 OHV L6, 4" Bore 1976-65 L/D Truck VIN Codes "A" 1966-76, "J" 1965, "1" 1972-76

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Gear Set	74-65	221-2750AS	Alum. cam gear; Replace in sets only; 221-2765 not sold separately; Incl. (1) 221-2750A, (1) 221-2765	
	1	Gear Set	74-65	221-2750LS	Laminated silent type cam gear; 221-2765 not sold separately; Incl. (1) 221-2750L, (1) 221-2765	
	1	Gear Set	74-65	221-2764S	58 tooth H/D metal cam gear & 29 tooth crank gear incl.; 221-2763 & 221-2764 not sold separately; Incl. (1) 221-2763, (1) 221-2764	
	1	Cam Gear	74-65	221-2750A	Alum.; 58 Teeth	
	1	Cam Gear	74-65	221-2750L	Laminated silent type cam gear; 58 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	74-65	CS-1230	Hyd.	
	12	Lifter	74-65	HT-900 Std Only	Hyd.; Carton of 122	
	12	Lifter, Bulk	74-65	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	74-65	55-400		
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	74-65	KC-1230	Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	74-65	KCT-1230C	Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	74-65	RP-3183	Std. length; 10.1400" O.A.L.	
	12	Push Rod, Bulk	74-65	BRP-3183	Std. length; Carton of 100; 10.1640" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm Assy.	74-65	R-854	Incl. arm, ball & 2-nuts; Incl. 3/8" nut; Incl. 5/16" nut	
	12	Arm Assy., Bulk	74-65	R-854B	Incl. arm, ball & 2-nuts; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64	
	12	Arm	74-65	R-854A		
VALVE TRAIN	12	Pivot Ball	74-65	MR-1809	Self-locking, 3/8" x 24 threads 5/16" x 24 .006" O/S, 3/8" x 24 x 2.600" 3/8" x 24 x 2.600"	VALVE TRAIN
	12	Nut	74-65	MR-1751		
	12	Nut	74-65	MR-1823		
	12	Stud	74-65	MR-1902		
	12	Stud	74-65	MR-1901		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	74-65	V-1937X Std Only	Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.	
	6	Exhaust	74-65	V-2040 Std Only	Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.	
	6	Exhaust, Bulk	74-65	V-2040B Std Only	Chrome plated stem; Carton of 25; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.	
	6	Intake	74-65	V-2041 Std-15	Chrome plated stem; 1.7800" Head Dia., .3420" Stem Dia., 4.8100" O.A.L.	
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	6	Guide	74-65	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.	
	6	Guide, Bulk	74-65	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	6	Spring	74-65	VS-656	Exh.; Use w/Rotators; 1.8750" Free Height	
	12	Spring	74-65	VS-648	Exh. & Int.; w/o Rotators; 1.9900" Free Height	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.9L 240 OHV L6, 4" Bore 1976-65 20

L/D Truck VIN Codes "A" 1966-76, "J" 1965, "1" 1972-76 (cont.)

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Spring	74-65	VS-661	Exh. & Int.; Incl. damper; 2.0460" Free Height
	6	Spring, Bulk	74-65	VS-656B	Exh.; Use w/Rotators; Carton of 300; 1.8750" Free Height
	12	Spring, Bulk	74-65	VS-648B	Exh. & Int.; w/o Rotators; Carton of 200; 1.9900" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	74-65	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	74-65	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
	12	Valve Stem Seal	74-65	MV-1599C	Umbrella type; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	74-65	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	74-65	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	74-65	245-1687-3 Std Only	1.6925" OD, 1.4375" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	74-65	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Int.	74-65	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Int.	74-65	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	74-65	VK-115	1 groove; Square cut key groove
	24	Keeper	74-65	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	74-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Spring Insert	74-65	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	74-65	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	74-65	259-103BRS	.030"; ID 1.030"; Carton of 500
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Spring Insert	74-65	259-103A	.060"; ID 1.030"; Carton of 100
	12	Spring Insert	74-65	259-103ARS	.060"; ID 1.030"; Carton of 500
	6	Rotocap Assy.	74-65	RC-128SA	Incl. VS-656 spring
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	6	Rotocap	74-65	RC-128S	Incl. VS-656 spring
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	74-70	352AP30 * 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	74-70	352NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	352AP30 * 30-40-60	From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	69	352NP Std-30-40-60	From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	1109P Std-20-30-40-60	To late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	6	Cast Piston	68-65	1109P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston - Individual	74-70	W352NP Std-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston - Individual	69	W352NP Std-40	From late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston - Individual	69	W1109P * Std-20-30-40-60	To late 1969; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston - Individual	68-65	W1109P * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	74-65	E-229K Std-20-30-40-60	2-5/64", 1-3/16"
	1	Premium Set	74-65	E-464KC Std-20-30-40	2-5/64", 1-3/16"
	1	Standard Set	74-65	E-229X Std-20-30-40-60	2-5/64", 1-3/16"
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	6	Premium Single Cylinder Set	74-65	WE-229K Std-20-30-40-60	2-5/64", 1-3/16"
	6	Standard Single Cylinder Set	74-65	WE-229X Std-20-30-40-60	2-5/64", 1-3/16"
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	74-65	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	6	Repair Sleeve	74-65	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-67	4916M Std-1-10-20-30-40	3.602" max. brg. flange OD
	1	Main Set	74-67	7153M10 10-20-30	3.602" max. brg. flange OD; .020" O/S length flange brg.
	1	Rod Set	74-65	6-3150CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

20 3.9L 240 OHV L6, 4" Bore 1976-65

(cont.) L/D Truck VIN Codes "A" 1966-76, "J" 1965, "1" 1972-76

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Rod Set	74-65	6-3150CPA Std-1-10-20-30-40-50	6-3150CAA 60 avail. as unplated & resizeable	
	1	Rod Set	74-65	6-3150CAA60 60	Unplated & resizeable	
	6	Rod Pair	74-65	3150CPA Std-1-2-10-20-30-40-50		
	1	Cam Set	74-65	1450M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	74-65	224-41124		
	1	Oil Pump	74-65	224-41124V	High Volume, check pan for clearance	
	1	Inter. Shaft	74-65	224-61124		
	1	Screen Assy.	74-68	224-14124	4WD; E100, E150, E200, E250, E300, F100, F200, F250	
KITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Kit Gasket Set	76-68	260-1006	Premium valve stem seals incl.	
	1	Kit Gasket Set	67-65	260-1006	Valve cover gskt. not incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	76-65	381-8014		
	1	Steel Block Plug Kit	76-65	381-4013		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	74-68	Premium valve stem seals incl.	Re-ring		205-612	205-112
	74-68	Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-612M	205-112M
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	74-73	Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains		505-612C	505-112C
	74-73	Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master Master w/o Pistons		MKP-612C MK-612C	MKP-112C MK-112C
	74-73	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons		MK-612E	MK-112E
	72-70	Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains		505-612C	505-112C
	72-70	Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master		MKP-612C	MKP-112C
	72-68	Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master w/o Pistons		MK-612C	MK-112C
	72-68	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons		MK-612E	MK-112E
	69	From late 1969; Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains		505-612C	505-112C
KITS	69	From late 1969; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master		MKP-612C	MKP-112C
	69	To late 1969; Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains		505-612D	505-112D
	69	To late 1969; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master		MKP-612D	MKP-112D
	68	Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains		505-612D	505-112D
	68	Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master		MKP-612D	MKP-112D

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

3.9L 240 OHV L6, 4" Bore 1976-65 20					
L/D Truck VIN Codes "A" 1966-76, "J" 1965, "1" 1972-76 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master w/o Pistons	MK-612C	MK-112C
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master	MKP-612D	MKP-112D
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons	MK-612E	MK-112E
	67-65	Valve cover gskt. not incl.; Premium valve stem seals incl.; Incl. laminated silent type cam gear	Master w/o Rods & Mains	505-612D	505-112D
4.0L 242 (3966cc) OHV Diesel L4 (Dorset), 104.8mm Bore (Ford Europe Eng.) 1970-67 21					
L/D Truck VIN Codes "D" 1967-70 (Dorset Eng.), "J" 1968-69 (Dorset Eng.)					
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
2	Premium Set	70-67	9362KX	Std Only 3-3/32, 1-3/16 (2 cyl. set)	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	70-67	2248BF	Std Only Position 3	
4.0L 244 (4015cc) OHV V6 (12 Valve), 100.4mm Bore 1990 22					
L/D Truck VIN Code "X" 1990-2001					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	90	KT3-64S	Incl. (1) 222-3SR64X, (1) 223-650, (1) 223-651	
1	Timing Chain	90	222-3SR64X	64 Links	
1	Timing Chain Tensioner	90	222-157CT		
1	Crank Sprocket	90	223-651	19 Teeth	
1	Cam Sprocket	90	223-650	38 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	90	CS-1511	w/A/T	
1	Camshaft	90	CS-1510	w/M/T	
12	Lifter	90	HT-2244	Std Only Hyd. rlr.	
12	Lifter, Bulk	90	HT-2244B	Std Only Hyd. rlr.; Carton of 128	
1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
1	Cam/Lifter Kit	90	KC-1511	w/A/T; Hyd. rlr.; Incl. (1) CS-1511, (12) HT-2244, (1) 55-403B	
1	Cam/Lifter Kit	90	KC-1510	w/M/T; Hyd. rlr.; Incl. (1) CS-1510, (12) HT-2244, (1) 55-403B	
1	Cam/Lifter/Timing Kit	90	KCT-1511	w/A/T; Hyd. rlr.; Incl. (1) CS-1511, (12) HT-2244, (1) KT3-64S, (1) 55-403B	
1	Cam/Lifter/Timing Kit	90	KCT-1510	w/M/T; Hyd. rlr.; Incl. (1) CS-1510, (12) HT-2244, (1) KT3-64S, (1) 55-403B	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12	Push Rod	90	RP-333260	5.4200" O.A.L.	
12	Push Rod	90	RP-333230	5.4500" O.A.L.	
12	Push Rod	90	RP-3332	5.4800" O.A.L.	
12	Push Rod, Bulk	90	BRP-333260	Carton of 100; 5.4200" O.A.L.	
12	Push Rod, Bulk	90	BRP-333230	Carton of 100; 5.4500" O.A.L.	
12	Push Rod, Bulk	90	BRP-3332	Carton of 100; 5.4800" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
12	Arm	90	R-1092		
12	Arm, Bulk	90	R-1092B	Carton of 32	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust	90	V-3918	Std-15 Chrome plated stem; 1.3600" Head Dia., .3152" Stem Dia., 4.0980" O.A.L.	
6	Exhaust, Bulk	90	V-3918B	Std-15 Chrome plated stem; Carton of 25; 1.3600" Head Dia., .3152" Stem Dia., 4.0980" O.A.L.	
6	Intake	90	V-2606	Std-15 Chrome plated stem; Hardened seat; 1.7100" Head Dia., .3163" Stem Dia., 4.0920" O.A.L.	
6	Intake, Bulk	90	V-2606B	Std-15 1 groove; Chrome plated stem; Hardened seat; Carton of 25; 1.7100" Head Dia., .3163" Stem Dia., 4.0920" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	90	VG-5016	.3175" ID, 2.0000" O.A.L.	
12	Guide	90	VG-5016T	Threaded; .3175" ID, 2.0000" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	90	VS-1630	Exh. & Int.; 2.0950" Free Height	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

22 4.0L 244 (4015cc) OHV V6 (12 Valve), 100.4mm Bore 1990
(cont.) L/D Truck VIN Code "X" 1990-2001

	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION	
	12	Spring, Bulk	90	VS-1630B	Exh. & Int.; Carton of 250; 2.0950" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	90	ST-2109	Exh. & Int.; Positive type; Viton®	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	90	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth	
	6	Int.	90	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	12	Keeper	90	VK-204	Exh.; 3 groove; w/.3125 Stem Dia.	
	12	Keeper	90	VK-144	Int.; 1 groove; Square cut key groove	
	12	Keeper	90	VK-144R	Int.; 1 groove; Square cut key groove; Hardened	
	12	Keeper, Bulk	90	VK-144B	Int.; 1 groove; Square cut key groove; Carton of 1000	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Cast Piston	90	H570P Std-.50-.75-1.00MM	Hypereutectic; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.441" CD, .9447" Pin Dia., Recessed Head .315" deep x 2.400" dia.	
	6	Cast Piston - Individual	90	WH570P Std-.50-.75-1.00MM	Hypereutectic; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.441" CD, .9447" Pin Dia., Recessed Head .315" deep x 2.400" dia.	
	1	Cast Piston Set w/Prem. Rings	90	6KH570P.50MM .50-.75-1.00MM	Cast; 1-1.60mm, 1-1.75mm, 1-3.50mm Ring Groove, 1.441" CD, .9447" Pin Dia., Recessed Head .315" deep x 2.400" dia.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-613K Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM	
	1	Standard Set	90	E-613X Std-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM	
	6	Premium Single Cylinder Set	90	WE-613K Std-.50-.75-1.00MM	1-1.60MM, 1-1.75MM, 1-3.50MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	7246MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.	
	1	Main Set	90	7245MA Std-10-20-30	A-Series aluminum bearings; Full flange thrust brg.	
	1	Rod Set	90	6-3055CP Std-10-20-30		
	1	Rod Set	90	6-3055CP10X2 10X2-20X2	Use in .002" O/S Rod Bore	
	6	Rod Pair	90	3055CP Std-10-20-30		
	1	Cam Set	90	1844M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-43431		
	1	Inter. Shaft	90	224-14275		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1652	Head bolts not incl.; Replacement recommended; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
K I T S	1	Head Bolt Set	90	260-2509	Replacement recommended	K I T S
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Head bolts not incl.; Replacement recommended; Incl. A-Series aluminum bearings; Full flange thrust brg. incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6318M	205-1318M
	90	Head bolts not incl.; Replacement recommended; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6318	205-1318
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Head bolts not incl.; Replacement recommended; Incl. A-Series aluminum bearings; Full flange thrust brg. incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block		BK-6139	----
	90	w/A/T; Head bolts not incl.; Replacement recommended; Freeze plugs not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Full flange thrust brg. incl.	Master Master w/o Pistons		MKP-6263A MK-6263A	MKP-1263A MK-1263A
	90	w/A/T; Head bolts not incl.; Replacement recommended; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6263A	505-1263A
	90	w/M/T; Head bolts not incl.; Replacement recommended; Freeze plugs not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Full flange thrust brg. incl.	Master Master w/o Pistons		MKP-6264A MK-6264A	MKP-1264A MK-1264A

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.0L 244 (4015cc) OHV V6 (12 Valve), 100.4mm Bore 1990 22				
L/D Truck VIN Code "X" 1990-2001 (cont.)				
OVERHAUL KIT (cont.)				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90	w/M/T; Head bolts not incl.; Replacement recommended; Freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6264A	505-1264A
4.1L 250 OHV L6, 3.68" Bore 1974-69 23				
L/D Truck VIN Code "L" 1969-74				
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.
	1	Timing Chain	72-69	222-354
	1	Crank Sprocket	72-69	223-415
	1	Cam Sprocket	72-69	223-414
	QTY	ROCKER PARTS	YEARS	PART NO.
	2	Rocker Shaft	74-69	RS-619
	QTY	VALVE	YEARS	PART NO.
	6	Exhaust	74-69	V-1983 Std-15
	6	Intake	72-69	V-1717 Std Only
	QTY	VALVE GUIDE	YEARS	PART NO.
	12	Guide	74-69	VG-5009
	QTY	VALVE SPRING	YEARS	PART NO.
	12	Spring	74-69	VS-624
	QTY	VALVE SEAL	YEARS	PART NO.
	12	Valve Stem Seal	74-69	ST-2005
	12	Valve Stem Seal	74-69	MV-1796A
	12	Valve Stem Seal Bulk	74-69	ST-2005BC
	12	Valve Stem Seal Bulk	74-69	MV-1796
	QTY	VALVE SEAT	YEARS	PART NO.
	6	Exh.	74-69	245-1437-2N Std Only
	6	Exh.	74-69	245-1437-2 Std Only
	6	Int.	74-69	245-1750-2N Std Only
	6	Int.	74-69	245-1750-2 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	24	Keeper	74-69	VK-144
	24	Keeper	74-69	VK-144R
	24	Keeper, Bulk	74-69	VK-144B
	12	Spring Insert	74-69	259-102C
	12	Spring Insert	74-69	259-102B
	12	Spring Insert	74-69	259-102A
	12	Spring Insert	74-69	259-102ARS
B L O C K	QTY	PISTON	YEARS	PART NO.
	6	Cast Piston	74-69	275NP Std-20-30-40-60-80
	6	Cast Piston - Individual	74-69	W275NP Std-20-30-40-60-80
	QTY	RINGS	YEARS	PART NO.
	1	Premium Set	74-69	E-219K Std-20-30-40-60
	1	Standard Set	74-69	E-219X Std-20-30-40-60
	6	Premium Single Cylinder Set	74-69	WE-219K Std-20-30-40-60
	6	Standard Single Cylinder Set	74-69	WE-219X Std-20-30-40-60
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	74-69	4916M Std-1-10-20-30-40
	1	Main Set	74-69	7153M10 10-20-30
	1	Rod Set	74-69	6-2380CP Std-1-10-20-30-40
	6	Rod Pair	74-69	2380CP Std-1-10-20-30-40
	1	Cam Set	74-69	1439M Std Only
	QTY	GASKETS	YEARS	PART NO.
	1	Kit Gasket Set	74-69	260-1003
	QTY	FREEZE PLUGS	YEARS	PART NO.
	1	Brass Block Plug Kit	73-69	381-8013
RE-RING KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
74-69	Premium valve stem seals incl.	Re-ring	205-609	205-109

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

23 4.1L 250 OHV L6, 3.68" Bore 1974-69
(cont.) L/D Truck VIN Code "L" 1969-74

RE-RING KIT (cont.)		PREMIUM	ECONOMY
YEARS	DESCRIPTION	KIT NO.	KIT NO.
74-69	Premium valve stem seals incl.; w/3.602" max. brg. flange OD	205-609M	205-109M
	Re-ring w/Mains		

24 4.2L 255 OHV V8, 3.68" Bore 1982-81
L/D Truck VIN Code "D" 1981-82

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	82-81	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
	1	Timing Set w/Gaskets	82-81	CTS-2000	Incl. silent type chain
	1	Timing Chain	82-81	222-358	Silent type; 58 Links
	1	Crank Sprocket	82-81	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
	1	Cam Sprocket	82-81	223-430	Use w/Silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-81	CS-668	Hyd.
	16	Lifter	82-81	HT-900 Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	82-81	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube	82-81	55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-81	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-81	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	82-81	RP-3223R	Chrome-Moly; 6.8850" O.A.L.
	16	Push Rod	82-81	RP-3167	6.8760" O.A.L.
	16	Push Rod, Bulk	82-81	BRP-3167	Carton of 100; 6.8760" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	82-81	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy., Bulk	82-81	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Bolt	82-81	MR-1847	5/16" X 18 UNC w/Washer
	16	Pivot	82-81	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	82-81	V-4551X Std Only	Chrome plated stem; Stellite face; 1.4520" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	82-81	V-1961 Std-3-15	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	82-81	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	82-81	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
	16	Guide	82-81	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide	82-81	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk	82-81	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk	82-81	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	82-81	VS-733	Exh.; 1.9230" Free Height
	8	Spring	82-81	VS-718	Int.; 2.0280" Free Height
	8	Spring, Bulk	82-81	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	82-81	VS-718B	Int.; Carton of 250; 2.0280" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	82-81	MV-1819C	Exh.; Umbrella type; Nylon
	16	Valve Stem Seal	82-81	MV-1796C	Exh. & Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	8	Valve Stem Seal	82-81	MV-1906	Int.; Umbrella type; Nylon
	8	Valve Stem Seal Bulk	82-81	MV-1819	Exh.; Umbrella type; Carton of 50; Nylon
	16	Valve Stem Seal Bulk	82-81	MV-1796	Exh. & Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	82-81	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	82-81	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	82-81	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	82-81	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	82-81	VK-115	1 groove; Square cut key groove

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.2L 255 OHV V8, 3.68" Bore 1982-81 **24**
L/D Truck VIN Code "D" 1981-82 (cont.)

4.2L 255 OHV V8, 3.68" Bore 1982-81 24 L/D Truck VIN Code "D" 1981-82 (cont.)						
B L O C K	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	82-81	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	82-81	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	82-81	259-102C	.015"; Carton of 100	
	16	Spring Insert	82-81	259-102B	.030"; Carton of 100	
	16	Spring Insert	82-81	259-102A	.060"; Carton of 100	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	82-81	E-413X Std Only	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	82-81	WE-413X Std Only	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	82-81	7151M10 10-20-30	.020" O/S length flange brg.	
	1	Main Set	82-81	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.	
	1	Main Set	82-81	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.	
	1	Rod Set	82-81	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	1	Rod Set	82-81	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	82-81	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore	
	1	Rod Set	82-81	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable	
	1	Rod Set	82-81	8-2600CA60 60	Unplated & resizeable	
	8	Rod Pair	82-81	2600CP Std-1-2-10-20-30-40		
	8	Rod Pair	82-81	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings	
1	Cam Set	82-81	1204M Std-10	Babbitt material; Full round design		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	82-81	224-41118			
1	Oil Pump	82-81	224-43370	High Pressure		
1	Oil Pump	82-81	224-41128	High Volume, check pan for clearance; Incl. inter. shaft		
1	Inter. Shaft	82-81	224-61118			
1	Screen Assy.	82-81	224-13118			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	82	260-1097	Premium valve stem seals incl.		
1	Kit Gasket Set	81	260-1097	From 4/14/81; Int. manifold gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	81	260-1097	To 4/13/81; Int. manifold gskt. not incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	82-81	381-8015			
1	Steel Block Plug Kit	82-81	381-4010			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	81	From 4/14/81; Int. manifold gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	81	To 4/13/81; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		-----	205-185
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82	Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A
	81	From 4/14/81; Int. manifold gskt. incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A
81	To 4/13/81; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		-----	MK-185A	
4.2L 255.4 L-HEAD V8 (Mercury), 3.1875" Bore 1954-48 25 L/D Truck						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Gear Set	54-48	221-2727S	221-2702 not sold separately; Incl. (1) 221-2701, (1) 221-2702		
1	Crank Gear	54-48	221-2701	22 Teeth		
1	Cam Gear	54-48	221-2702	Alum.; 44 Teeth		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

25 4.2L 255.4 L-HEAD V8 (Mercury), 3.1875" Bore 1954-48 (cont.) L/D Truck					
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	16	Intake	54-52	V-1041 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8170" O.A.L.
	16	Intake	51-48	V-967 Std Only	Exh. & Int.; 1.5100" Head Dia., .3410" Stem Dia., 4.8190" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	54-48	VG-428	Use w/MV-1231 seal; .3435" ID, 2.2000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	54-52	VS-392	2.2000" Free Height
	16	Spring	51-48	VS-393	2.4800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	54-48	MV-1231	O-Ring; Carton of 50; Rubber
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	54-48	245-1640-1 Std Only	1.6395" OD, 1.3750" ID, .2480" Depth
	8	Int.	54-48	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	54-48	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	54-48	VK-88	Valve guide retainer
	32	Keeper	54-48	VK-115	1 groove; Square cut key groove
	32	Keeper	54-48	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	54-48	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Cast Piston	53-49	1014P30 30-40-60	Cast; 2-3/32", 2-3/16" Ring Groove, 1.427 plus .21 crown" CD, .7500" Pin Dia., Crowned Head .210" high w/offset pin and ring below pin; Not factory duplicate
	8	Cast Piston - Individual	53-49	W1014P30 30-40-60	Cast; 2-3/32", 2-3/16" Ring Groove, 1.427 plus .21 crown" CD, .7500" Pin Dia., Crowned Head .210" high w/offset pin and ring below pin; Not factory duplicate
	8	Pin Bushing	54-48	9024XBS	.820" max. housing bore
	8	Pin Bushing	54-48	9024VA	Split type bushing; .8125" max. housing bore
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	53-49	E-247KC30 30-40-60	2-3/32, 2-3/16
	1	Standard Set	53-49	E-247X Std-30-40-60-80	2-3/32, 2-3/16
	8	Standard Single Cylinder Set	53-49	WE-247X Std-30-40	2-3/32, 2-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Dry Sleeve	54-48	SL-140M Std Only	Flanged, finished bore sleeve; NOTE: Use SL-140M w/3.377" OD when block is not milled between valves and bore; Grind valve reliefs if necessary
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	54-48	646M Std-10-20-30	
	1	Rod Set	54-48	8-1505CAA Std-10-20	
	8	Rod Pair	54-48	1505CAA Std-10-20-30-40	
	1	Cam Set	54-48	1005M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	54-48	224-41108	w/drive gear
26 4.2L 256 OHV V8 (Mercury), 3.625" Bore 1955-54 L/D Truck					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	55-54	222-354	Silent type; 1" wide chain; 56 Links
	1	Crank Sprocket	55-54	223-250	Use w/silent type chain; 21 Teeth
	1	Cam Sprocket	55-54	223-249	Use w/silent type chain; 42 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	55-54	RP-3017	8.2580" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Shaft Assy.	54	RA-1001H	For 1 bank
	1	Shaft Assy.	54	RA-1001	For 1 complete Eng.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exhaust	55-54	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
	8	Intake	55-54	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	55-54	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	8	Guide	55-54	VG-5071	Exh.; Cut to fit; .3440" ID, 2.6250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	55-54	VS-1575	2.1250" Free Height
	16	Spring, Bulk	55-54	VS-1575B	Carton of 250; 2.1250" Free Height

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.2L 256 OHV V8 (Mercury), 3.625" Bore 1955-54 26					
L/D Truck (cont.)					
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	55-54	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal	55-54	MV-1599C	Int.; Umbrella type; Rubber
	16	Valve Stem Seal Bulk	55-54	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	55-54	MV-1599	Int.; Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	55-54	245-1630-1 Std Only	1.6300" OD, 1.3350" ID, .3105" Depth
	8	Int.	55-54	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	55-54	VK-115	1 groove; Square cut key groove
32	Keeper	55-54	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	55-54	VK-115B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	55-54	259-102C	.015"; Carton of 100	
16	Spring Insert	55-54	259-102B	.030"; Carton of 100	
16	Spring Insert	55-54	259-102A	.060"; Carton of 100	
16	Spring Insert	55-54	259-102ARS	.060"; Carton of 500	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	55-54	5155X Std Only	2-3/32, 1-3/16
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	55	224-41123		
1	Pump Repair Kit	55	224-51297	Rotor type	
4.3L 262 OHV L6, 3.7188" Bore 1964-61 27					
L/D Truck VIN Code "B" 1961-64					
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	64-61	RP-3021	9.8200" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	64-61	VG-5007	Exh.; .3725" ID, 2.3800" O.A.L.
	6	Guide	64-61	VG-5007T	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
	6	Guide	64-61	VG-5033	Int.; .3735" ID, 2.6200" O.A.L.
	6	Guide, Bulk	64-61	VG-5007B	Exh.; Carton of 50; .3725" ID, 2.3800" O.A.L.
	6	Guide, Bulk	64-61	VG-5007TB	Exh.; Threaded; .3725" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	64-61	VS-1575	2.1250" Free Height
	12	Spring, Bulk	64-61	VS-1575B	Carton of 250; 2.1250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	64-61	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	12	Valve Stem Seal	64-61	ST-2004	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	64-61	MV-1599C	Umbrella type; Rubber
	12	Valve Stem Seal Bulk	64-61	MV-1599	Umbrella type; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	64-61	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	12	Valve Stem Seal Bulk	64-61	ST-2004BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	64-61	245-1630-1 Std Only	1.6300" OD, 1.3350" ID, .3105" Depth
6	Int.	64-61	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	64-61	VK-138	1 groove; Square cut key groove	
24	Keeper	64-61	VK-138R	1 groove; Square cut key groove; Hardened	
24	Keeper, Bulk	64-61	VK-138B	1 groove; Square cut key groove; Carton of 1000	
12	Spring Insert	64-61	259-102C	.015"; Carton of 100	
12	Spring Insert	64-61	259-102B	.030"; Carton of 100	
12	Spring Insert	64-61	259-102A	.060"; Carton of 100	
12	Spring Insert	64-61	259-102ARS	.060"; Carton of 500	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Pin Bushing	64	2469V	1.276" length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	64	4056M Std-10-20-30		
6	Rod Pair	64	2465CPB Std-10-20	3 oil holes	
1	Cam Set	64	1133M Std Only	w/o cross-drilled cam journals	

Ford Truck (Includes Minivans and SUV's)

28 4.4L 272 OHV V8, 3.625" Bore 1957-56
L/D Truck VIN Codes "B" 1957, "M" 1955-58, "U" 1955-58

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	57-56	222-354	Silent type; 1" wide chain; 56 Links
1	Crank Sprocket	57-56	223-250	Use w/silent type chain; 21 Teeth
1	Cam Sprocket	57-56	223-249	Use w/silent type chain; 42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	57-56	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal
1	Prelube	57-56	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	57-56	RP-3022	8.3400" O.A.L.
16	Push Rod, Bulk	57-56	BRP-3022	Carton of 100; 8.3400" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
2	Shaft Assy.	57-56	RA-1001H	For 1 bank
1	Shaft Assy.	57-56	RA-1001	For 1 complete Eng.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	57-56	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.
8	Intake	57	V-1285 Std Only	1.9250" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
8	Intake	56	V-1115 Std Only	1.7800" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	57-56	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
8	Guide	57-56	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
8	Guide	57-56	VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide	57-56	VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
8	Guide, Bulk	57-56	VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk	57-56	VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	57-56	VS-1575	2.1250" Free Height
16	Spring, Bulk	57-56	VS-1575B	Carton of 250; 2.1250" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	57-56	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	57-56	MV-1599C	Int.; Umbrella type; Rubber
16	Valve Stem Seal Bulk	57-56	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	57-56	MV-1599	Int.; Umbrella type; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	57-56	VK-115	Exh. & Int.; 1 groove; Square cut key groove
32	Keeper	57-56	VK-115R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	57-56	VK-115B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	57-56	259-102C	.015"; Carton of 100
16	Spring Insert	57-56	259-102B	.030"; Carton of 100
16	Spring Insert	57-56	259-102A	.060"; Carton of 100
16	Spring Insert	57-56	259-102ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	57-56	1021P30 30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 7.8:1 C.R.
8	Cast Piston - Individual	57-56	W1021P30 30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 7.8:1 C.R.
8	Pin Bushing	57-56	1834V20	1.306" length; .020" extra bore stock
8	Pin Bushing	57-56	1834V	1.306" max. length
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	57-56	5155X Std Only	2-3/32, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	57-56	884M Std-10-20-30-40-50	
1	Rod Set	57-56	8-2000CPA Std-10-20-30-40	8-2000CAA 60 avail. as unplated & resizeable
8	Rod Pair	57-56	2000CPA Std-1-10-20-30-40	
1	Cam Set	57-56	1223M Std Only	w/Cross-drilled No. 3 cam journal
1	Cam Set	57-56	1160M Std Only	w/Grooved No. 3 cam journal
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	57-56	224-41123	
1	Pump Repair Kit	57-56	224-51297	Rotor type
1	Inter. Shaft	57-56	224-61123	

Ford Truck (Includes Minivans and SUV's)

4.7L 289 OHV V8, 4" Bore 1968-65 29

L/D Truck VIN Codes "A" 1965-68, "C" 1965-68, "N" 1966-68

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	68-65	CS-560	Hyd.
16	Lifter	68-65	HT-900 Std Only	Hyd.
16	Lifter	68-65	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
16	Lifter, Bulk	68-65	HT-900B Std Only	Hyd.; Carton of 122
16	Lifter, Bulk	68-65	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
1	Prelube	68-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	68-65	KC-560	Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	68-65	RP-3165	6.8010" O.A.L.
16	Push Rod, Bulk	68-65	BRP-3165	Carton of 100; 6.8010" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	68-65	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
16	Arm Assy., Bulk	68-65	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
16	Pivot Ball	68-65	MR-1809	
16	Nut	68-65	MR-1823	5/16" x 24
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	68-65	V-1784 Std-15	1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
8	Exhaust, Bulk	68-65	V-1784B15 15	Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
8	Intake	68-65	V-1785 Std-15	1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
8	Intake, Bulk	68-65	V-1785B Std-15	Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	68-65	VG-5005	.3430" ID, 2.2500" O.A.L.
16	Guide	68-65	VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
16	Guide	68-65	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide, Bulk	68-65	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
16	Guide, Bulk	68-65	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	68-65	VS-672	1.9700" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	68-65	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	68-65	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
16	Valve Stem Seal Bulk	68-65	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	68-65	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	68-65	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.	68-65	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.	68-65	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	68-65	VK-115	1 groove; Square cut key groove
32	Keeper	68-65	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	68-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	68-65	259-102C	.015"; Carton of 100
16	Spring Insert	68-65	259-102B	.030"; Carton of 100
16	Spring Insert	68-65	259-102A	.060"; Carton of 100
16	Spring Insert	68-65	259-102ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	68-66	273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
8	Cast Piston	68-66	272AP Std-20-30-40-60-80	VIN Codes "C" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston	65	273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
8	Cast Piston	65	272AP Std-20-30-40-60-80	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

29 4.7L 289 OHV V8, 4" Bore 1968-65

(cont.) L/D Truck VIN Codes "A" 1965-68, "C" 1965-68, "N" 1966-68

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston - Individual	68-66	W273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	8	Cast Piston - Individual	68-66	W272AP Std-20-30-40-60-80	VIN Codes "C" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	8	Cast Piston - Individual	65	W273AP Std-20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	8	Cast Piston - Individual	65	W272AP Std-20-30-40-60-80	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	68-66	8K273AP20 20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	1	Cast Piston Set w/Prem. Rings	68-66	8K272AP20 20-30-40-60	VIN Codes "C" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	65	8K273AP20 20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	1	Cast Piston Set w/Prem. Rings	65	8K272AP20 20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	68-66	8X273AP20 20-30-40-60	VIN Code "A"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	1	Cast Piston Set w/Econ. Rings	68-66	8X272AP20 20-30-40-60	VIN Codes "C" & "N"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	65	8X272AP20 20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.	
	1	Cast Piston Set w/Econ. Rings	65	8X273AP20 20-30-40-60	VIN Codes "A" & "D"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head	
	8	Powerforged	68-65	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Powerforged	68-65	L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	68-65	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	68-65	WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.	
	1	Forged Piston Set w/Rings	68-65	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	68-65	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	68-65	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	68-65	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	68-65	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	68-65	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	68-65	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	68-65	7151M10 10-20-30	.020" O/S length flange brg.	
	1	Main Set	68-65	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.	
	1	Main Set	68-65	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.	
	1	Rod Set	68-65	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	1	Rod Set	68-65	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	68-65	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore	
	1	Rod Set	68-65	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.7L 289 OHV V8, 4" Bore 1968-65 29						
L/D Truck VIN Codes "A" 1965-68, "C" 1965-68, "N" 1966-68 (cont.)						
BLOCK	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	68-65	8-2600CA60 60	Unplated & resizeable	
	8	Rod Pair	68-65	2600CP Std-1-2-10-20-30-40		
	8	Rod Pair	68-65	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set	68-65	1204M Std-10	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	68-65	224-41118		
	1	Oil Pump	68-65	224-43370	High Pressure	
	1	Oil Pump	68-65	224-41128	High Volume, check pan for clearance; Incl. inter. shaft	
	1	Inter. Shaft	68-65	224-61118		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	68-65	260-1125	Premium set; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	68-65	381-8015			
1	Steel Block Plug Kit	68-65	381-4010			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	68-65	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Re-ring		205-653	205-153
	68-65	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.	Re-ring w/Mains		205-653M	205-153M
4.8L 292 OHV V8, 3.75" Bore 1964-58 30						
L/D Truck VIN Codes "C" 1957-65, "D" 1957-65						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain	64-58	222-354	Silent type; 1" wide chain; 56 Links	
	1	Crank Sprocket	64-58	223-250	Use w/silent type chain; 21 Teeth	
	1	Cam Sprocket	64-58	223-249	Use w/silent type chain; 42 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	64-58	CS-210	14 teeth on dist. drive gear; Shaft has oil groove in No. 3 journal	
	1	Prelube	64-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	64-58	RP-3022	8.3400" O.A.L.	
	16	Push Rod, Bulk	64-58	BRP-3022	Carton of 100; 8.3400" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
2	Shaft Assy.	64-58	RA-1001H	For 1 bank		
1	Shaft Assy.	64-58	RA-1001	For 1 complete Eng.		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
8	Exhaust	64-58	V-1127 Std Only	Rototype; Free valve; 1.5100" Head Dia., .3418" Stem Dia., 5.0900" O.A.L.		
8	Intake	64-60	V-1285 Std Only	1.9250" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.		
8	Intake	59-58	V-1285 Std Only	1.9250" Head Dia., .3421" Stem Dia., 5.1100" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
8	Guide	64-59	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.		
8	Guide	64-58	VG-5006	Int.; .3440" ID, 2.3750" O.A.L.		
8	Guide	64-58	VG-5006T	Int.; Threaded; .3425" ID, 2.3800" O.A.L.		
8	Guide, Bulk	64-58	VG-5006B	Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
16	Spring	64-58	VS-1575	2.1250" Free Height		
16	Spring, Bulk	64-58	VS-1575B	Carton of 250; 2.1250" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
16	Valve Stem Seal	64-58	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE		
16	Valve Stem Seal	64-58	MV-1599C	Umbrella type; Rubber		
16	Valve Stem Seal Bulk	64-58	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
16	Valve Stem Seal Bulk	64-58	MV-1599	Umbrella type; Carton of 100; Rubber		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	64-58	VK-115	1 groove; Square cut key groove		
32	Keeper	64-58	VK-115R	1 groove; Square cut key groove; Hardened		
32	Keeper, Bulk	64-58	VK-115B	1 groove; Square cut key groove; Carton of 1000		
16	Spring Insert	64-58	259-102C	.015"; Carton of 100		
16	Spring Insert	64-58	259-102B	.030"; Carton of 100		
16	Spring Insert	64-58	259-102A	.060"; Carton of 100		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

30 4.8L 292 OHV V8, 3.75" Bore 1964-58

(cont.) L/D Truck VIN Codes "C" 1957-65, "D" 1957-65

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Spring Insert	64-58	259-102ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	64-58	1022P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 8.6:1 C.R.
	8	Cast Piston - Individual	64-58	W1022P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9122" Pin Dia., Flat Head - 8.6:1 C.R.
	8	Pin Bushing	64-61	2469V	1.276" length
	8	Pin Bushing	64-58	1834V20	1.306" length; .020" extra bore stock
	8	Pin Bushing	64-58	1834V	1.306" max. length
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	64-58	E-240K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	1	Standard Set	64-58	E-240X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	64-58	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	64-58	WE-240X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	64-58	884M Std-10-20-30-40-50	8-2000CAA 60 avail. as unplated & resizeable
	1	Rod Set	64-58	8-2000CPA Std-10-20-30-40	
	8	Rod Pair	64-58	2000CPA Std-1-10-20-30-40	
	1	Cam Set	64-58	1223M Std Only	w/Cross-drilled No. 3 cam journal
	1	Cam Set	63-58	1160M Std Only	w/Grooved No. 3 cam journal
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	64-58	224-41123	Rotor type
	1	Pump Repair Kit	64-58	224-51297	
	1	Inter. Shaft	64-61	224-61123	
	1	Inter. Shaft	60-58	224-61123	

31 4.9L 300 OHV L6, 4" Bore 1990-65

L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex Fuel), "9" 1990-96

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	90-77	221-2750LS	Laminated silent type cam gear; 221-2765 not sold separately; Incl. (1) 221-2750L, (1) 221-2765
	1	Gear Set	90-77	221-2766LS	221-2765 not sold separately; Laminated silent type cam gear; Incl. (1) 221-2750L, (1) 221-2765
	1	Gear Set	90-77	221-2764S	58 tooth H/D metal cam gear & 29 tooth crank gear incl.; 221-2763 & 221-2764 not sold separately; Incl. (1) 221-2763, (1) 221-2764
	1	Gear Set	90-65	221-2750AS	Alum. cam gear; Replace in sets only; 221-2765 not sold separately; Incl. (1) 221-2750A, (1) 221-2765
	1	Gear Set	76-65	221-2764S	58 tooth H/D metal cam gear & 29 tooth crank gear incl.; 221-2763 & 221-2764 not sold separately; Incl. (1) 221-2763, (1) 221-2764
	1	Cam Gear	90-77	221-2750L	Laminated silent type cam gear; 58 Teeth
	1	Cam Gear	90-65	221-2750A	Alum.; 58 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90	CS-1230	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA
VALVE TRAIN	1	Camshaft	89-87	CS-1230	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T
	1	Camshaft	89-87	CS-1230	F150, F250, F350, U150; Under 8500 GVW; w/M/T
	1	Camshaft	86-82	CS-1230	w/unleaded fuel; Under 8500 GVW
	1	Camshaft	81	CS-1230	
	1	Camshaft	80-65	CS-1230	
	12	Lifter	90-65	HT-900 Std Only	Hyd.
	12	Lifter, Bulk	90-65	HT-900B Std Only	Hyd.; Carton of 122
	1	Prelube	90-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90	KC-1230	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA; Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter Kit	89-87	KC-1230	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T; Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	89-87	KC-1230	F150, F200, F350, U150; Under 8500 GVW; w/M/T; Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	86-82	KC-1230	w/unleaded fuel; Under 8500 GVW; Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	81-65	KC-1230	Hyd.; Incl. (1) CS-1230, (12) HT-900, (1) 55-403B

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.9L 300 OHV L6, 4" Bore 1990-65 31

L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex (cont.) Fuel), "9" 1990-96

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	90	KCT-1230	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA; Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90	KCT-1230C	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA; Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-87	KCT-1230	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T; Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-87	KCT-1230C	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T; Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-87	KCT-1230	F150, F200, F350, U150; Under 8500 GVW; w/M/T; Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-87	KCT-1230C	F150, F250, F350, U150; Under 8500 GVW; w/M/T; Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-82	KCT-1230	w/unleaded fuel; Under 8500 GVW; Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-82	KCT-1230C	w/unleaded fuel; Under 8500 GVW; Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	81-80	KCT-1230	Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter/Timing Kit	81-80	KCT-1230C	Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-77	KCT-1230	Hyd.; Incl. laminated silent type cam gear; Incl. (1) CS-1230, (12) HT-900, (1) 221-2766LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-77	KCT-1230C	Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76-65	KCT-1230C	Hyd.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; Incl. (1) CS-1230, (12) HT-900, (1) 221-2764S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-65	RP-3260	.060" shorter length; 10.0800" O.A.L.
	12	Push Rod	90-65	RP-3183	Std. length; 10.1400" O.A.L.
	12	Push Rod, Bulk	90-65	BRP-3260	.060" shorter length; Carton of 100; 10.0800" O.A.L.
	12	Push Rod, Bulk	90-65	BRP-3183	Std. length; Carton of 100; 10.1640" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Arm Assy.	90-85	R-948	Incl. arm & pivot
	12	Arm Assy.	84-65	R-854	Incl. arm, ball & 2-nuts; Incl. 3/8" nut; Incl. 5/16" nut
	12	Arm Assy., Bulk	90-85	R-948B	Incl. arm & pivot; Carton of 32
	12	Arm Assy., Bulk	84-65	R-854B	Incl. arm, ball & 2-nuts; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	12	Arm	84-65	R-854A	
	12	Pivot Ball	84-65	MR-1809	
	12	Nut	84-78	MR-1823	5/16" x 24
	12	Nut	77-65	MR-1751	Self-locking, 3/8" x 24 threads
	12	Bolt	90-85	MR-1847	5/16" X 18 UNC w/Washer
	12	Pivot	90-85	MR-1811	
VALVE TRAIN	12	Stud	77-65	MR-1902	.006" O/S, 3/8" x 24 x 2.600"
	12	Stud	77-65	MR-1901	3/8" x 24 x 2.600"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90	V-3937 Std-15	Exc. Irrigation; Chrome plated stem; 1.5600" Head Dia., .3420" Stem Dia., 4.7500" O.A.L.
	6	Exhaust	90	V-2539X Std Only	Irrigation; Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.7500" O.A.L.
	6	Exhaust	89-85	V-2539X Std Only	Irrigation; Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.7500" O.A.L.
	6	Exhaust	89-85	V-2074 Std-15	Over 8500 GVW; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

31 4.9L 300 OHV L6, 4" Bore 1990-65

(cont.) L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex Fuel), "9" 1990-96

VALVE TRAIN

VALVE TRAIN

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
6	Exhaust	89-85	V-3937 Std-15	Under 8500 GVW; Chrome plated stem; 1.5600" Head Dia., .3420" Stem Dia., 4.7500" O.A.L.
6	Exhaust	84	V-2074 Std-15	Exc. Irrigation; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	84	V-2539X Std Only	Irrigation; Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.7500" O.A.L.
6	Exhaust	83	V-2074 Std-15	Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	82	V-2074 Std-15	From 3/9/82; Over 8500 GVW; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	82	V-1937X Std Only	To 3/8/82; Over 8500 GVW; Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	82	V-2074 Std-15	Under 8500 GVW; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	81-79	V-1937X Std Only	Over 8500 GVW; Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	81-79	V-2074 Std-15	Under 8500 GVW; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	78-75	V-1937X Std Only	Exc. E100, F100; Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	78-75	V-2074 Std-15	E100, F100; Chrome plated stem; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	74-71	V-1937X Std Only	Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	70	V-1937X Std Only	From change L-18; Chrome plated stem; Stellite face; 1.5590" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust	66-65	V-2040 Std Only	F100, F200, F250; Chrome plated stem; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	90	V-3937B15 15	Exc. Irrigation; Chrome plated stem; Carton of 25; 1.5600" Head Dia., .3570" Stem Dia., 4.7500" O.A.L.
6	Exhaust, Bulk	89-85	V-2074B15 15	Over 8500 GVW; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	89-85	V-3937B15 15	Under 8500 GVW; Chrome plated stem; Carton of 25; 1.5600" Head Dia., .3570" Stem Dia., 4.7500" O.A.L.
6	Exhaust, Bulk	84	V-2074B15 15	Exc. Irrigation; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	83	V-2074B15 15	Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	82	V-2074B15 15	From 3/9/82; Over 8500 GVW; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	82	V-2074B15 15	Under 8500 GVW; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	81-79	V-2074B15 15	Under 8500 GVW; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	78-75	V-2074B15 15	E100, F100; Chrome plated stem; Carton of 25; 1.5590" Head Dia., .3569" Stem Dia., 4.8100" O.A.L.
6	Exhaust, Bulk	66-65	V-2040B Std Only	F100, F200, F250; Chrome plated stem; Carton of 25; 1.5600" Head Dia., .3419" Stem Dia., 4.8100" O.A.L.
6	Intake	90-87	V-2365 Std-15	Exc. F Series; w/Eng. I.D. Codes EK-256-AA, XK-258-AA, EL-270-AA; Chrome plated stem; 1.7760" Head Dia., .3419" Stem Dia., 4.7500" O.A.L.
6	Intake	86-85	V-2365 Std-15	Under 8500 GVW; Chrome plated stem; 1.7760" Head Dia., .3419" Stem Dia., 4.7500" O.A.L.
6	Intake	86-65	V-2041 Std-15	Over 8500 GVW; Chrome plated stem; 1.7800" Head Dia., .3420" Stem Dia., 4.8100" O.A.L.
6	Intake, Bulk	90-87	V-2365B15 15	Exc. F Series; w/Eng. I.D. Codes EK-256-AA, XK-258-AA, EL-270-AA; Chrome plated stem; Carton of 25; 1.7760" Head Dia., .3569" Stem Dia., 4.7500" O.A.L.
6	Intake, Bulk	86-85	V-2365B15 15	Under 8500 GVW; Chrome plated stem; Carton of 25; 1.7760" Head Dia., .3569" Stem Dia., 4.7500" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	90-65	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
6	Guide	90-65	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
6	Guide	90-65	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
6	Guide	90-65	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	90-65	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
6	Guide, Bulk	90-65	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
6	Guide, Bulk	90-65	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	90-85	VS-862	Exh.; 1.7820" Free Height
6	Spring	90-85	VS-863	Int.; 1.9700" Free Height

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.9L 300 OHV L6, 4" Bore 1990-65 **31**

L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex (cont.) Fuel), "9" 1990-96

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Spring	84	VS-823	Exh.; 1.9200" Free Height
	6	Spring	84	VS-824	Int.; 2.0500" Free Height
	6	Spring	83-65	VS-656	Exh.; Use w/Rotators; 1.8750" Free Height
	12	Spring	83-65	VS-648	Exh. & Int.; w/o Rotators; 1.9900" Free Height
	6	Spring, Bulk	90-85	VS-862B	Exh.; Carton of 300; 1.7820" Free Height
	6	Spring, Bulk	90-85	VS-863B	Int.; Carton of 300; 1.9700" Free Height
	6	Spring, Bulk	83-65	VS-656B	Exh.; Use w/Rotators; Carton of 300; 1.8750" Free Height
	12	Spring, Bulk	83-65	VS-648B	Exh. & Int.; w/o Rotators; Carton of 200; 1.9900" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-80	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	12	Valve Stem Seal	90-80	ST-2092	Positive type; Rubber
	12	Valve Stem Seal	79-65	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	79-65	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
	12	Valve Stem Seal	76-65	MV-1599C	Umbrella type; Rubber
	12	Valve Stem Seal Bulk	90-80	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	79-65	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	12	Valve Stem Seal Bulk	76-65	MV-1599	Umbrella type; Carton of 100; Rubber
VALVE SEAT	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-87	245-1687-5 Std Only	1.6925" OD, 1.3750" ID, .2160" Depth
	6	Exh.	90-65	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	90-65	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	6	Exh.	90-65	245-1687-3 Std Only	1.6925" OD, 1.4375" ID, .2480" Depth
	6	Int.	90-65	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-65	VK-115	1 groove; Square cut key groove
	24	Keeper	90-65	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	90-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	12	Spring Insert	90-65	259-103C	.015"; ID 1.030"; Carton of 100
	12	Spring Insert	90-65	259-103B	.030"; ID 1.030"; Carton of 100
	12	Spring Insert	90-65	259-103BRS	.030"; ID 1.030"; Carton of 500
	12	Spring Insert	90-65	259-103A	.060"; ID 1.030"; Carton of 100
	12	Spring Insert	90-65	259-103ARS	.060"; ID 1.030"; Carton of 500
	6	Rotocap Assy.	90-65	RC-128SA	Incl. VS-656 spring
	6	Rotocap	90-65	RC-128S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-83	H519P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	6	Cast Piston	82-77	H519P Std-20-30-40-60	Will replace circular cup piston in complete sets; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
BLOCK	6	Cast Piston	76-70	H519P Std-20-30-40-60	Exc. F100; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	6	Cast Piston	76-65	352AP30 * 30-40-60	F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	76-65	352NP Std-30-40-60	F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston	69	H519P Std-20-30-40-60	From change L-16; Exc. F100; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	6	Cast Piston - Individual	90-83	WH519P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped head .300" deep - 8.5:1 C.R.
	6	Cast Piston - Individual	82-77	WH519P Std-20-30-40-60	Will replace circular cup piston in complete sets; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped head .300" deep - 8.5:1 C.R.
	6	Cast Piston - Individual	76-70	WH519P Std-20-30-40-60	Exc. F100; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped head .300" deep - 8.5:1 C.R.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

31 4.9L 300 OHV L6, 4" Bore 1990-95

(cont.) L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex Fuel), "9" 1990-96

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston - Individual	76-65	W352NP Std-40	F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9751" Pin Dia., Recessed Head .080" deep x 2.480" dia. - 7.2:1 C.R.
	6	Cast Piston - Individual	69	WH519P Std-20-30-40-60	From change L-16; Exc. F100; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped head .300" deep - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-83	6KH519P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Prem. Rings	82-77	6KH519P30 30-40-60	Will replace circular cup piston in complete sets; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Prem. Rings	76-70	6KH519P30 30-40-60	Exc. F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Prem. Rings	69	6KH519P30 30-40-60	From change L-16; Exc. F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Econ. Rings	90-83	6XH519P20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Econ. Rings	82-77	6XH519P20 20-30-40-60	Will replace circular cup piston in complete sets; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Econ. Rings	76-70	6XH519P20 20-30-40-60	Exc. F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
	1	Cast Piston Set w/Econ. Rings	69	6XH519P20 20-30-40-60	From change L-16; Exc. F100; Cast; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9751" Pin Dia., Recessed Head "D" shaped .300" deep - 8.5:1 C.R.; Effective dome volume - 22cc
B L O C K	6	Pin	90-65	P-2217 Std Only	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-65	E-229K Std-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	90-65	E-464KC Std-20-30-40	2-5/64, 1-3/16
	1	Standard Set	90-65	E-229X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	90-65	WE-229K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	90-65	WE-229X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve	90-65	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	1	Repair Sleeve	90-65	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-67	4916M Std-1-10-20-30-40	3.602" max. brg. flange OD
	1	Main Set	90-67	7153M10 10-20-30	3.602" max. brg. flange OD; .020" O/S length flange brg.
	1	Rod Set	90-65	6-3150CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore
	1	Rod Set	90-65	6-3150CPA Std-1-10-20-30-40-50	6-3150CAA 60 avail. as unplated & resizeable
	1	Rod Set	90-65	6-3150CAA60 60	Unplated & resizeable
	6	Rod Pair	90-65	3150CPA Std-1-2-10-20-30-40-50	
	1	Cam Set	90-86	1781M Std Only	
	1	Cam Set	85	1781M Std Only	From 5/15/85
	1	Cam Set	85	1450M Std Only	To 5/14/85
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-65	224-41124	
	1	Oil Pump	90-65	224-41124V	High Volume, check pan for clearance
	1	Inter. Shaft	90-65	224-61124	
	1	Screen Assy.	90-80	224-13124	
	1	Screen Assy.	79-75	224-12124	RWD
	1	Screen Assy.	79-75	224-14124	4WD; F100, F150, F250, F350
	1	Screen Assy.	74-73	224-14124	E100, E200, E300
	1	Screen Assy.	74-73	224-12124	RWD; Exc. E100, E150, E200, E250 & E300
	1	Screen Assy.	74-73	224-14124	4WD; F100, F150, F250, F350
B L O C K	1	Screen Assy.	72-68	224-12124	RWD
	1	Screen Assy.	72-68	224-14124	4WD; F100, F150, F250, F350
	1	Screen Assy.	67-65	224-12124	RWD

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.9L 300 OHV L6, 4" Bore 1990-65 31

L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex (cont.) Fuel), "9" 1990-96

BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Kit Gasket Set	90-87	260-1420	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	86	260-1174	Premium valve stem seals incl.		
	1	Kit Gasket Set	85	260-1174	From 5/15/85; Premium valve stem seals incl.		
	1	Kit Gasket Set	85	260-1006	To 5/14/85; Premium valve stem seals incl.		
	1	Kit Gasket Set	84-68	260-1006	Premium valve stem seals incl.		
	1	Kit Gasket Set	67-65	260-1006	Valve cover gskt. not incl.; Premium valve stem seals incl.		
KITS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	KITS	
	1	Brass Block Plug Kit	90-87	381-8071			
	1	Brass Block Plug Kit	86-65	381-8014			
	1	Steel Block Plug Kit	90-65	381-4013			
KITS	RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION					
	90-87	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6087	205-1087	
	90-87	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-6087M	205-1087M	
	86	Premium valve stem seals incl.	Re-ring		205-765	205-265	
	86	Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-765M	205-265M	
	85	To 5/14/85; Premium valve stem seals incl.	Re-ring		205-612	205-112	
	85	To 5/14/85; Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-612M	205-112M	
	85	From 5/15/85; Premium valve stem seals incl.	Re-ring		205-765	205-265	
	85	From 5/15/85; Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-765M	205-265M	
	84-68	Premium valve stem seals incl.	Re-ring		205-612	205-112	
	84-68	Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-612M	205-112M	
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-612	205-112	
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Re-ring w/Mains		205-612M	205-112M	
	66-65	Valve cover gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-612	205-112	
	OVERHAUL KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION					
	90	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains		505-6087A	505-1087A	
	90	E150, E200, E250, E300, E350, F150, F200, F250, F350, U150; w/Eng. I.D. Codes AK-250-AA, AK-252-AA, AK-263-AA, AK-265-AA; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons		MKP-6087A MK-6087A	MKP-1087A MK-1087A	
	90-87	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/3.602" max. brg. flange OD	Block w/Pump & Freeze Plugs Block		BKP-6150 BK-6150	----- -----	
89-87	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains		505-6087A	505-1087A		
89-87	E150, E200, E250, F150, F200, F250; Over 8500 GVW; w/A/T; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons		MKP-6087A MK-6087A	MKP-1087A MK-1087A		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

31 4.9L 300 OHV L6, 4" Bore 1990-65

(cont.) L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex Fuel), "9" 1990-96

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	89-87	F150, F200, F350, U150; Under 8500 GVW; w/M/T; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-6087A	505-1087A	
	89-87	F150, F200, F350, U150; Under 8500 GVW; w/M/T; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons MKP-6087A MK-6087A	MKP-1087A MK-1087A	
	86	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-765C	505-265C	
	86	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons MKP-765C MK-765C	MKP-265C MK-265C	
	85	To 5/14/85; w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master w/o Pistons MK-612C	MK-112C	
	85	To 5/14/85; w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-612E	505-112E	
	85	To 5/14/85; w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons MKP-612E MK-612E	MKP-112E MK-112E	
	85	From 5/15/85; w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-765C	505-265C	
	85	From 5/15/85; w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons MKP-765C MK-765C	MKP-265C MK-265C	
	84-83	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-612E	505-112E	
	84-83	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master MKP-612E	MKP-112E	
	84-82	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master w/o Pistons MK-612C	MK-112C	
	84-82	w/Unleaded fuel; Under 8500 GVW; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons MK-612E	MK-112E	
	82	w/Unleaded fuel; Under 8500 GVW; Will replace circular cup piston in complete sets; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-612E	505-112E	
	82	w/Unleaded fuel; Under 8500 GVW; Will replace circular cup piston in complete sets; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master MKP-612E	MKP-112E	
	81-77	Premium valve stem seals incl.; Incl. laminated silent type cam gear; w/3.602" max. brg. flange OD	Master w/o Pistons MK-612C	MK-112C	
	81-77	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-612E	505-112E	
	81-77	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master Master w/o Pistons MKP-612E MK-612E	MKP-112E MK-112E	
	76-70	Exc. F100; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains 505-612E	505-112E	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

4.9L 300 OHV L6, 4" Bore 1990-65 31					
L/D Truck VIN Codes "B" 1965-86, "C" 1978, "E" 1980-82, "K" 1978-79, "Y" 1983-97, "Z" 1994-97 (Flex (cont.) Fuel), "9" 1990-96					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	76-70	Exc. F100; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master	MKP-612E	MKP-112E
	76-69	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons	MK-612E	MK-112E
	69	From change L-16; Exc. F100; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.	Master w/o Rods & Mains	505-612E	505-112E
	69	From change L-16; Exc. F100; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master	MKP-612E	MKP-112E
	68	Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons	MK-612E	MK-112E
	67	Valve cover gskt. not incl.; Premium valve stem seals incl.; 58 tooth H/D metal cam gear & 29 tooth crank gear incl.; w/3.602" max. brg. flange OD	Master w/o Pistons	MK-612E	MK-112E
4.9L 300 OHV LPG L6, 4" Bore 1988-82 32					
L/D Truck VIN Code "9" 1982-88 (LPG)					
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	88	381-8071		
1	Brass Block Plug Kit	85-82	381-8014		
1	Steel Block Plug Kit	85-82	381-4013		
5.0L 302 OHV V8, 4" Bore 1990-68 33					
L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	90	KT3-370SA1	Incl. silent type chain; Incl. (1) 222-370, (1) 223-818, (1) 223-819	
1	3 Piece Set	90-88	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612	
1	3 Piece Set	87	KT3-163SA1	From 9/1/87; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612	
1	3 Piece Set	87	KT3-358SA	To 8/31/87; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431	
1	3 Piece Set	86-72	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431	
1	3 Piece Set	72-69	KT3-358S	Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431	
1	Timing Set w/Gaskets	90-88	CTS-2002	Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	
1	Timing Set w/Gaskets	87-79	CTS-2000	Incl. silent type chain	
1	Timing Set w/Gaskets	78-73	CTS-2001	Incl. silent type chain	
1	Timing Chain	90	222-370	Silent type; 58 Links	
1	Timing Chain	90-88	222-163	Double rlr.; 58 Links	
1	Timing Chain	87	222-163	From 9/1/87; Double rlr.; 58 Links	
1	Timing Chain	87	222-358	To 8/31/87; Silent type; 58 Links	
1	Timing Chain	86-69	222-358	Silent type; 58 Links	
1	Crank Sprocket	90	223-819	21 Teeth; Silent type; 21 Teeth	
1	Crank Sprocket	90-88	223-531	w/rlr. type chain; Double row; Use w/Double rlr. chain; 21 Teeth	
1	Crank Sprocket	87	223-531	From 9/1/87; w/rlr. type chain; Double row; Use w/Double rlr. chain; 21 Teeth	
1	Crank Sprocket	87	223-431	To 8/31/87; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
1	Crank Sprocket	86-69	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
1	Cam Sprocket	90	223-818	42 Teeth; Silent type; 42 Teeth	
1	Cam Sprocket	90-88	223-612	w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth	
1	Cam Sprocket	87	223-612	From 9/1/87; w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth	
1	Cam Sprocket	87	223-430	To 8/31/87; From Ser. No. P20001; Use w/Silent type chain; 42 Teeth	
V A L V E T R A I N					

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

33 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam Sprocket	86-73	223-430	Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket	72	223-430	From Ser. No. P20001; Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket	72	223-406	To Ser. No. P20000; 42 Teeth
	1	Cam Sprocket	71-69	223-406	42 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-77	CS-668	
	1	Camshaft	76	CS-668	From Ser. No. A50001
	1	Camshaft	76	CS-560	To Ser. No. A50000; Hyd.
	1	Camshaft	75-73	CS-560	Hyd.
	1	Camshaft	72	CS-560	Exc. Calif. w/A/T; Hyd.
	1	Camshaft	71-69	CS-560	Hyd.
	16	Lifter	90-69	HT-900 Std Only	Hyd.
	16	Lifter	90-69	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk	90-69	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	90-69	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	1	Prelube	90-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-77	KC-668	Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	76	KC-668	From Ser. No. A50001; Hyd.; Incl. (1) CS-668, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	76	KC-560	To Ser. No. A50000; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	75-73	KC-560	Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	72	KC-560	Exc. Calif. w/A/T; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit	71-69	KC-560	Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-88	KCT-668A	Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-668, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87	KCT-668A	From 9/1/87; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-668, (16) HT-900, (1) KT3-163SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87	KCT-668	To 8/31/87; Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-77	KCT-668	Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76	KCT-668	From Ser. No. A50001; Hyd.; Incl. silent type chain; Incl. (1) CS-668, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76	KCT-560C	To Ser. No. A50000; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	75-73	KCT-560C	Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72	KCT-560A	Exc. Calif. w/A/T; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72	KCT-560C	Exc. Calif. w/A/T; Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71-69	KCT-560A	Hyd.; Incl. silent type chain; Incl. (1) CS-560, (16) HT-900, (1) KT3-358S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90-70	RP-3223R	Chrome-Moly; 6.8850" O.A.L.
	16	Push Rod	90-70	RP-3167	6.8760" O.A.L.
	16	Push Rod	69	RP-3223R	From Ser. No. BE0001; Chrome-Moly; 6.8850" O.A.L.
	16	Push Rod	69	RP-3167	From Ser. No. BE0001; 6.8760" O.A.L.
	16	Push Rod	69	RP-3222R	To Ser. No. BE0000; Chrome-Moly; 6.8040" O.A.L.
	16	Push Rod	69	RP-3165	To Ser. No. BE0000; 6.8010" O.A.L.
	16	Push Rod, Bulk	90-70	BRP-3167	Carton of 100; 6.8760" O.A.L.
	16	Push Rod, Bulk	69	BRP-3167	From Ser. No. BE0001; Carton of 100; 6.8760" O.A.L.
	16	Push Rod, Bulk	69	BRP-3165	To Ser. No. BE0000; Carton of 100; 6.8010" O.A.L.
	8	Push Rod Guide Plate	78-68	MR-1897	Speed-Pro flat guide plate for 5/16" dia. push rods; Requires screw-in studs
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-79	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-879	From Ser. No. BE0001; Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-847	To Ser. No. BE0000; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy.	77-69	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy., Bulk	90-79	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.0L 302 OHV V8, 4" Bore 1990-68 33

L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92 (cont.)

VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy., Bulk	78	R-879B	From Ser. No. BE0001; Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Arm Assy., Bulk	78	R-847B	To Ser. No. BE0000; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm Assy., Bulk	77-69	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm	90-79	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Arm	78	R-1091R	From Ser. No. BE0001; Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Pivot Ball	78-69	MR-1809	
	16	Nut	90-69	MR-1823	5/16" x 24
	16	Nut	76-69	MR-1751	Self-locking, 3/8" x 24 threads
	16	Bolt	90-78	MR-1847	5/16" X 18 UNC w/Washer
	16	Pivot	90-79	MR-1811	
	16	Pivot	78	MR-1811	From Ser. No. BE0001
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-70	V-1961 Std-3-15	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	85-69	V-4551X Std Only	Chrome plated stem; Stellite face; 1.4520" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	69	V-1961 Std-3-15	From Ser. No. E10001; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	69	V-1784 Std-15	To Ser. No. E10000; 1.4500" Head Dia., .3415" Stem Dia., 4.8730" O.A.L.
	8	Exhaust, Bulk	90-70	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	69	V-1961B Std-15	From Ser. No. E10001; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	69	V-1784B15 15	To Ser. No. E10000; Carton of 25; 1.4500" Head Dia., .3565" Stem Dia., 4.8730" O.A.L.
	8	Intake	90-88	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
	8	Intake	87-77	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
	8	Intake	76-70	V-1932 Std-15	Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
	8	Intake	69	V-1932 Std-15	From Ser. No. E10001; Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
	8	Intake	69	V-1785 Std-15	To Ser. No. E10000; 1.7740" Head Dia., .3420" Stem Dia., 4.8630" O.A.L.
	8	Intake, Bulk	90-88	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
	8	Intake, Bulk	87-77	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
	8	Intake, Bulk	76-70	V-1932B15 15	Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
	8	Intake, Bulk	69	V-1932B15 15	From Ser. No. E10001; Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
	8	Intake, Bulk	69	V-1785B Std-15	To Ser. No. E10000; Carton of 25; 1.7800" Head Dia., .3420" Stem Dia., 4.8730" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-69	VG-5032	Exh.; .4375" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-80	VS-733	Exh.; 1.9230" Free Height
	8	Spring	90-80	VS-718	Int.; 2.0280" Free Height
	8	Spring	79	VS-733	Exh.; 1.9230" Free Height
	8	Spring	79	VS-718	Int.; 2.0280" Free Height
	8	Spring	78	VS-733	Exh.; 1.9230" Free Height
	8	Spring	78	VS-718	Int.; From Ser. No. BE0001; 2.0280" Free Height
	8	Spring	78	VS-703	Int.; To Ser. No. BE0000; 2.0560" Free Height
	8	Spring	77-73	VS-733	Exh.; 1.9230" Free Height
	8	Spring	77-73	VS-703	Int.; 2.0560" Free Height
	16	Spring	72-70	VS-703	Exh. & Int.; 2.0560" Free Height
	16	Spring	69-68	VS-672	Exh. & Int.; 1.9700" Free Height
	8	Spring, Bulk	90-80	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	90-80	VS-718B	Int.; Carton of 250; 2.0280" Free Height
	8	Spring, Bulk	79	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	79	VS-718B	Int.; Carton of 250; 2.0280" Free Height
	8	Spring, Bulk	78	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	78	VS-733B	Exh.; Carton of 250; 1.9230" Free Height

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

33 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Spring, Bulk	78	VS-718B	Int.; From Ser. No. BE0001; Carton of 250; 2.0280" Free Height
	8	Spring, Bulk	78	VS-703B	Int.; To Ser. No. BE0000; Carton of 250; 2.0560" Free Height
	8	Spring, Bulk	77-73	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	77-73	VS-703B	Int.; Carton of 250; 2.0560" Free Height
	16	Spring, Bulk	72-70	VS-703B	Exh. & Int.; Carton of 250; 2.0560" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-69	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	77-69	MV-1903	Use w/VG-5032 repair guide; Positive type; Rubber
	8	Valve Stem Seal	89-81	MV-1819C	Exh.; Umbrella type; Nylon
	8	Valve Stem Seal	85-81	MV-1906	Int.; Umbrella type; Nylon
	16	Valve Stem Seal	80-69	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal Bulk	90-69	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	89-81	MV-1819	Exh.; Umbrella type; Carton of 50; Nylon
	16	Valve Stem Seal Bulk	80-69	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-69	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	90-69	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	90-69	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	8	Int.	90-69	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-69	VK-115	1 groove; Square cut key groove
	32	Keeper	90-69	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-69	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-69	259-102C	.015"; Carton of 100
	16	Spring Insert	90-69	259-102B	.030"; Carton of 100
	16	Spring Insert	90-69	259-102A	.060"; Carton of 100
	16	Spring Insert	90-69	259-102ARS	.060"; Carton of 500
	8	Rotocap	90-73	RC-140	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90-87	517CP Std-20-30-40-60	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .032" deep x 2.500" dia.
	8	Cast Piston	90-87	H654CP20 20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	90-87	H654P Std-20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	8	Cast Piston	86-77	273AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	8	Cast Piston	86-77	H654CP20 20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	86-77	H654P Std-20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	8	Cast Piston	72-69	272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	8	Cast Piston - Individual	90-87	W517CP Std-20-30-40-60	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .032" deep x 2.500" dia.
	8	Cast Piston - Individual	90-87	WH654P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	8	Cast Piston - Individual	86-77	W273AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	8	Cast Piston - Individual	86-77	WH654P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	8	Cast Piston - Individual	72-69	W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-87	8K517CP30 30-40-60	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .032" deep x 2.500" dia.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.0L 302 OHV V8, 4" Bore 1990-68 33

L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92 (cont.)

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	90-87	8KH654CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	86-77	8K273AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Prem. Rings	86-77	8KH654CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	72-69	8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	1	Cast Piston Set w/Econ. Rings	90-87	8XH654P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	1	Cast Piston Set w/Econ. Rings	86-77	8X273AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R. w/64cc cyl. head
	1	Cast Piston Set w/Econ. Rings	86-77	8XH654P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.599" CD, .9122" Pin Dia., Recessed Head .030" deep x 2.500" dia. w/4 valve reliefs
	1	Cast Piston Set w/Econ. Rings	72-69	8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
	8	Powerforged	85-78	L-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	72-69	L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	85-78	WL-2482F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	72-69	WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	85-78	8KL2482F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9123" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-251K Std-10-20-30-40-60	Use w/H654P or H654CP piston; 2-5/64, 1-3/16
	1	Premium Set	90-87	E-251K Std-10-20-30-40-60	Use w/H654P piston; 2-5/64, 1-3/16
	1	Premium Set	90-87	E-458K Std-5-20-30-40-60	2-1.50MM, 1-4.00MM
	1	Premium Set	86-69	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	86-69	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	86-69	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-87	E-251X Std-10-20-30-40-60-80	Use w/H654P piston; 2-5/64, 1-3/16
	1	Standard Set	90-87	E-458X Std-20-30-40-60	2-1.50MM, 1-4.00MM
	1	Standard Set	86-69	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-251K Std-20-30-40-60	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-251KC Std-20-30-40-60	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-458K Std-20-30-40-60	2-1.50MM, 1-4.00MM
	8	Premium Single Cylinder Set	86-69	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	86-69	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-87	WE-251X Std-20-30-40-60-80	Use w/WH654P piston; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	86-69	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	90-69	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	90-69	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-68	7151M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	90-68	4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
	1	Main Set	90-68	4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
	1	Rod Set	90-68	8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Rod Set	90-68	8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
B L O C K	1	Rod Set	90-68	8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

33 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92

B L O C K	ENGINE BEARINGS (cont.)					
	QTY		YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	90-68	8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable	
	1	Rod Set	90-68	8-2600CA60 60	Unplated & resizeable	
	8	Rod Pair	90-68	2600CP Std-1-2-10-20-30-40		
	8	Rod Pair	90-68	2600A Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set	90-68	1204M Std-10	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-68	224-41118		
	1	Oil Pump	90-68	224-43370	High Pressure	
1	Oil Pump	90-68	224-41128	High Volume, check pan for clearance; Incl. inter. shaft		
1	Inter. Shaft	90-68	224-61118			
1	Screen Assy.	90-81	224-13118			
1	Screen Assy.	80	224-13118	F100, F150		
1	Screen Assy.	79-78	224-12118	F100, F150		
1	Screen Assy.	77-75	224-14241	Bronco		
1	Screen Assy.	77-75	224-12118	F100, F150		
1	Screen Assy.	74-73	224-14241	Bronco, E100, E150, E200, E250, E300		
1	Screen Assy.	74-73	224-12118	F100		
1	Screen Assy.	72-71	224-14241	Bronco		
1	Screen Assy.	72-71	224-12118	F100		
1	Screen Assy.	70-68	224-12118	F100		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1559	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	89-88	260-1451	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	87	260-1451	From 4/16/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	87	260-1169	Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	86	260-1169	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	85-84	260-1169	One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	83	260-1169	From 12/1/82; One-piece rear main brg. seal incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	82	260-1125	To 11/30/82; Premium set; Premium valve stem seals incl.		
1	Kit Gasket Set	81-68	260-1125	Premium set; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-68	381-8015			
1	Steel Block Plug Kit	90-68	381-4010			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring		205-6215	205-1215
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring w/Mains		205-6345M	205-1345M
	89-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-6121M	205-1121M
	89-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-6121	205-1121
	87	Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-6002M	205-1002M
	87	Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-6002	205-1002
87	From 4/16/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings; Incl. contoured design thrust brg.; Premium valve stem seals incl.	Re-ring w/Mains		205-6121M	205-1121M	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.0L 302 OHV V8, 4" Bore 1990-68 **33**

L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92 (cont.)

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	87	From 4/16/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-6121	205-1121
	87	Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring w/Mains	205-760M	205-260M
	87	Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring	205-760	205-260
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring w/Mains	205-760M	205-260M
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring	205-760	205-260
	85-84	One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring w/Mains	205-760M	205-260M
	85-84	One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring	205-760	205-260
	83	From 12/1/82; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring w/Mains	205-760M	205-260M
K I T S	83	From 12/1/82; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/2-5/64, 1-3/16 ring groove	Re-ring	205-760	205-260
	82	To 11/30/82; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Re-ring	205-653	205-153
	82	To 11/30/82; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Re-ring w/Mains	205-653M	205-153M
	81-69	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Re-ring	205-653	205-153
	81-69	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.	Re-ring w/Mains	205-653M	205-153M
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg. Premium valve stem seals incl.; Incl. H606P piston	Block	BK-6154	----
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. H654P piston	Block w/Pump & Freeze Plugs	BKP-6154	----
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. 517P piston	Block w/Pump & Freeze Plugs Block	BKP-6155 BK-6155	----- -----
	90	Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-6215A	MKP-1215A
	90	Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6215A	505-1215A

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

33 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90	Multi-piece oil pan gskt. incl.; Use w/517CP piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons	MK-6215A	MK-1215A
	90	Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-6253A	MKP-1253A
	90	Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6253A	505-1253A
	90	Multi-piece oil pan gskt. incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons	MK-6253A	MK-1253A
	89-88	Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-6121C	MKP-1121C
	89-88	Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6121C	505-1121C
	89-88	Multi-piece oil pan gskt. incl.; Use w/517P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons	MK-6121C	MK-1121C
	89-88	Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-6251C	MKP-1251C
	89-88	Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains	505-6251C	505-1251C
	89-88	Multi-piece oil pan gskt. incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons	MK-6251C	MK-1251C
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-6002A	MK-1002A
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. O.E. style pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-6002A	MKP-1002A
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. O.E. style pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-6002A	505-1002A
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Incl. O.E. style pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-6121A	MKP-1121A
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Incl. O.E. style pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-6121A	505-1121A
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Use w/517CP piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons	MK-6121A	MK-1121A
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master	MKP-6121C	MKP-1121C

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.0L 302 OHV V8, 4" Bore 1990-68 **33**

L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92 (cont.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Incl. 517CP piston; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains 505-6121C	505-1121C	
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Use w/517P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons MK-6121C	MK-1121C	
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master MKP-6250A	MKP-1250A	
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-6250A	505-1250A	
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master MKP-6251A	MKP-1251A	
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-6251A	505-1251A	
	87	From 4/16/87 to 8/31/87; Multi-piece oil pan gskt. incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons MK-6251A	MK-1251A	
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master MKP-6251C	MKP-1251C	
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Rods & Mains 505-6251C	505-1251C	
	87	From 9/1/87; Multi-piece oil pan gskt. incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master w/o Pistons MK-6251C	MK-1251C	
	87	To 8/31/87; Int. valve stem seals to 4/15/87 not incl.; One-piece rear main brg. seal incl.; Use w/H654P piston; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons MK-760A	MK-260A	
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master MKP-6250A	MKP-1250A	
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-6250A	505-1250A	
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons MKP-760A MK-760A	MKP-260A MK-260A	
	86	Int. valve stem seals not incl.; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-760A	505-260A	
	85-84	One-piece rear main brg. seal incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master MKP-6250A	MKP-1250A	
	85-84	One-piece rear main brg. seal incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains 505-6250A	505-1250A	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

33 5.0L 302 OHV V8, 4" Bore 1990-68

(cont.) L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MKP-760A MK-760A	ECONOMY KIT NO. MKP-260A MK-260A	K I T S
	YEARS	DESCRIPTION			
	85-84	One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons		
	85-84	One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-760A	----
	85-84	One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-760A	505-260A
	83	From 12/1/82; One-piece rear main brg. seal incl.; Incl. H654P pistons; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-6250A	MKP-1250A
	83	From 12/1/82; One-piece rear main brg. seal incl.; Incl. H654P pistons; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-6250A	505-1250A
	83	From 12/1/82; One-piece rear main brg. seal incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-760A MK-760A	MKP-260A MK-260A
	83	From 12/1/82; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-760A	----
	83	From 12/1/82; One-piece rear main brg. seal incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-760A	505-260A
	82	To 11/30/82; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-653H	----
	82	To 11/30/82; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653H	505-153H
	82	To 11/30/82; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons	MKP-653H MK-653H	MKP-153H MK-153H
	81-78	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-653H	----
	81-77	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653H	505-153H
	81-77	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons	MKP-653H MK-653H	MKP-153H MK-153H
	76	To Ser. No. A50000; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons	MK-653F	MK-153F
	76	From Ser. No. A50001; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons	MK-653H	MK-153H
	75-73	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master w/o Pistons	MK-653F	MK-153F
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-653D	----
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653D	505-153D
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons	MKP-653D MK-653D	MKP-153D MK-153D
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-653F	----

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.0L 302 OHV V8, 4" Bore 1990-68 33					
L/D Truck VIN Codes "F" 1968-85, "G" 1968-79, "H" 1980-85, "N" 1985-96, "P" 1996-2001, "Y" 1987-92 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653F	505-153F
	72	Exc. Calif. w/A/T; Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons	MKP-653F MK-653F	MKP-153F MK-153F
	71-69	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. contoured design thrust brg.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-653D	----
	71-69	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-653D	505-153D
	71-69	Premium gskt. set incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. contoured design thrust brg.; Incl. silent type chain	Master Master w/o Pistons	MKP-653D MK-653D	MKP-153D MK-153D
5.4L 330 OHV V8 (M/D Eng.), 3.875" Bore 1977-75 34					
L/D Truck					
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	77-75	381-8017	
	1	Steel Block Plug Kit	77-75	381-4015	
5.4L 332 OHV V8, 4" Bore 1963-60 35					
L/D Truck					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	63-60	222-494	48 Links
	1	Cam Sprocket	63-60	223-284	36 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	63-60	RP-3230R	w/Hyd. lifters; Ball & cup type ends; Chrome-Moly; 9.3300" O.A.L.
	16	Push Rod	63-60	RP-3023	w/Hyd. lifters; Ball & cup type ends; 9.5300" O.A.L.
	16	Push Rod	63-60	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.
	16	Push Rod	63-60	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
	16	Push Rod	63-60	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
	16	Push Rod	63-60	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
	16	Push Rod	63-60	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
	16	Push Rod, Bulk	63-60	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
	16	Push Rod, Bulk	63-60	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	63-60	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Exhaust, Bulk	63-60	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	63-60	VS-1428	2.3430" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	63-60	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	63-60	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	63-60	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	63-60	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	8	Int.	63-60	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	63-60	VK-138	1 groove; Square cut key groove	
32	Keeper	63-60	VK-138R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	63-60	VK-138B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	63-60	259-103C	.015"; ID 1.030"; Carton of 100	
16	Spring Insert	63-60	259-103B	.030"; ID 1.030"; Carton of 100	
16	Spring Insert	63-60	259-103BRS	.030"; ID 1.030"; Carton of 500	
16	Spring Insert	63-60	259-103A	.060"; ID 1.030"; Carton of 100	
16	Spring Insert	63-60	259-103ARS	.060"; ID 1.030"; Carton of 500	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	63-60	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16	
1	Standard Set	63-60	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16	
8	Premium Single Cylinder Set	63-60	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16	
8	Standard Single Cylinder Set	63-60	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

35 5.4L 332 OHV V8, 4" Bore 1963-60 (cont.) L/D Truck						
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	63-60	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
	8	Repair Sleeve	63-60	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	63-60	4020M Std-10	3.684" max. flange OD	
	1	Rod Set	63-60	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable	
	1	Rod Set	63-60	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.	
	1	Rod Set	63-60	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.	
	8	Rod Pair	63-60	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.	
	1	Cam Set	63-60	1445M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	63-60	224-41173			
1	Oil Pump	63-60	224-43365A	High Pressure		
1	Oil Pump	63-60	224-41177	High Volume, check pan for clearance		
1	Inter. Shaft	63-60	224-61114			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	63-60	260-1035	Exh. pipe flange not incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	63-60	381-8017			
1	Steel Block Plug Kit	63-60	381-4015			
RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS DESCRIPTION						
63-60 Exh. pipe flange not incl.; Squirt hole removed from all Ford V Engs.					205-890	205-390
Re-ring						
36 5.8L 351 OHV V8 (Modified), 4" Bore 1981-77 L/D Truck VIN Codes "G" 1980-82, "H" 1975-79						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	81-77	KT3-494SA2	Incl. (1) 222-494, (1) 223-420A, (1) 223-493	
	1	Timing Chain	81-77	222-494	48 Links	
	1	Crank Sprocket	81-77	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth	
	1	Cam Sprocket	81-77	223-420A	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	81-77	CS-667	Hyd.	
	16	Lifter	81-77	HT-900 Std Only	Hyd.; Carton of 122	
	16	Lifter, Bulk	81-77	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	81-77	55-400		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
1	Cam/Lifter Kit	81-80	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B		
1	Cam/Lifter Kit	79	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B		
1	Cam/Lifter Kit	78-77	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B		
1	Cam/Lifter/Timing Kit	81-80	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B		
1	Cam/Lifter/Timing Kit	79	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B		
1	Cam/Lifter/Timing Kit	78-77	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B		
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
16	Push Rod	81-77	RP-3186	9.5000" O.A.L.		
16	Push Rod, Bulk	81-77	BRP-3186	Carton of 100; 9.5000" O.A.L.		
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
16	Arm Assy.	81-77	R-855	Incl. arm & pivot		
16	Arm Assy., Bulk	81-77	R-855B	Incl. arm & pivot; Carton of 64		
16	Arm	81-77	R-855A			
16	Bolt	81-77	MR-1951	5/16" X 18 UNC w/o washer		
16	Pivot	81-77	MR-1811			
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
8	Exhaust	81-78	V-2095 Std-15	Chrome plated stem; 1.6560" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.		
8	Exhaust	77	V-2030 Std-15	4 groove; Chrome plated stem; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.		
8	Exhaust, Bulk	81-78	V-2095B15 15	1 groove; Chrome plated stem; Carton of 25; 1.6545" Head Dia., .3564" Stem Dia., 5.0500" O.A.L.		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Modified), 4" Bore 1981-77 36
L/D Truck VIN Codes "G" 1980-82, "H" 1975-79 (cont.)

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust, Bulk	77	V-2030B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Intake	81-79	V-2142 Std-15	1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	78	V-2142 Std-15	From Ser. No. CG0001; 1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	78	V-2075 Std-15	To Ser. No. CG0000; 4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	77	V-2075 Std-15	4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	81-79	V-2142B15 15	1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	78	V-2142B15 15	From Ser. No. CG0001; 1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	78	V-2075B Std-15	To Ser. No. CG0000; 4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	77	V-2075B Std-15	4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	81-77	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
16	Guide	81-77	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
16	Guide	81-77	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide, Bulk	81-77	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
16	Guide, Bulk	81-77	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	81-78	VS-1435	Exh.; 1.9650" Free Height
8	Spring	81-78	VS-703	Int.; 2.0560" Free Height
16	Spring	77	VS-703	Exh. & Int.; 2.0560" Free Height
8	Spring, Bulk	81-78	VS-1435B	Exh.; Carton of 250; 1.9650" Free Height
8	Spring, Bulk	81-78	VS-703B	Int.; Carton of 250; 2.0560" Free Height
16	Spring, Bulk	77	VS-703B	Exh. & Int.; Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	81-77	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	81-80	MV-1819C	Exh.; Umbrella type; Nylon
8	Valve Stem Seal	81-80	MV-1906	Int.; Umbrella type; Nylon
16	Valve Stem Seal	79-77	MV-1906	Exh. & Int.; Umbrella type; Nylon
8	Valve Stem Seal Bulk	81-80	MV-1819	Exh.; Umbrella type; Carton of 50; Nylon
16	Valve Stem Seal Bulk	81-77	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	81-77	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	81-77	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	81-77	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	81-78	VK-115	1 groove; Square cut key groove
32	Keeper	81-78	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	78-77	VK-205	4 groove
32	Keeper	78-77	VK-205R	4 groove; Hardened
32	Keeper, Bulk	81-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	81-77	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	81-77	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	81-77	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	81-77	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	81-77	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	81-77	451P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.918" CD, .9751" Pin Dia., Recessed Head .088" deep x 2.770" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Cast Piston - Individual	81-77	W451P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.918" CD, .9751" Pin Dia., Recessed Head .088" deep x 2.770" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Pin	81-77	P-2217 Std Only	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	81-77	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	81-77	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	81-77	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

36 5.8L 351 OHV V8 (Modified), 4" Bore 1981-77

(cont.) L/D Truck VIN Codes "G" 1980-82, "H" 1975-79

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Premium Single Cylinder Set	81-77	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	81-77	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	81-77	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	81-77	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	81-77	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	81-77	5078M Std-1-10-20-30-40	A-Series aluminum bearings
	1	Main Set	81-77	7154M10 10-20-30	
	1	Main Set	81-77	5078MA Std-1-10-20-30-40	
	1	Rod Set	81-77	8-3400CP Std-1-10-20-30-40	
	1	Rod Set	81-77	8-3400CP10X2 10X2-20X2-30X2	
BLOCK	8	Rod Pair	81-77	3400CP Std-1-10-20-30-40	Use in .002" O/S Rod Bore
	1	Cam Set	81-77	1403M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	81-77	224-41166	High Volume, check pan for clearance
	1	Oil Pump	81-77	224-41166V	
	1	Pump Repair Kit	81-77	224-51139	
	1	Inter. Shaft	81-77	224-61166	F100, F150, F200, F250; RWD F100, F150, F200, F250, F350; RWD
	1	Screen Assy.	81-80	224-12166	
	1	Screen Assy.	79-78	224-11166	
	1	Screen Assy.	77	224-11166	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	81-77	260-1014	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	81-77	260-4004	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	81-77	381-8016	
	1	Steel Block Plug Kit	81-77	381-4018	

KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	81-77	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-624	205-124
	81-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-624AM	205-124AM
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	81-80	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-624J MK-624J	MKP-124J MK-124J
	81-80	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624J	505-124J
	79	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-624J MK-624J	MKP-124J MK-124J
	79	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624J	505-124J
KITS	78-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-624J MK-624J	MKP-124J MK-124J
	78-77	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624J	505-124J

37 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" 1980

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-163SA1	Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	89-88	KT3-163SA1	VIN Code "H"; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	87-86	KT3-163SA1	VIN Code "H"; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	85	KT3-163SA1	From 12/10/84; VIN Code "H"; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-531, (1) 223-612
1	3 Piece Set	85	KT3-163SA	To 12/9/84; VIN Code "H"; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **37**

L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" (cont.) 1980

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	85-84	KT3-358SA	VIN Code "G"; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	84	KT3-163SA	VIN Code "H"; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) 222-163, (1) 223-468, (1) 223-531
1	3 Piece Set	83-75	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	74-73	KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	72	KT3-358SA	From change L-7; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
1	3 Piece Set	72	KT3-358S	To change L-7; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	3 Piece Set	71-69	KT3-358S	Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
1	Timing Set w/Gaskets	90-88	CTS-2002	Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	87	CTS-2002	From 6/30/87; Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	86-85	CTS-2002	Oil pan gskt. not incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub
1	Timing Set w/Gaskets	85-81	CTS-2000	VIN Code "G"; Incl. silent type chain
1	Timing Set w/Gaskets	80	CTS-2000	VIN Codes "G" & "W"; Incl. silent type chain
1	Timing Set w/Gaskets	79	CTS-2000	VIN Code "H"; Incl. silent type chain
1	Timing Set w/Gaskets	78-75	CTS-2001	VIN Code "H"; Incl. silent type chain
1	Timing Chain	90	222-163	Double rlr.; 58 Links
1	Timing Chain	87-86	222-163	VIN Code "H"; Double rlr.; 58 Links
1	Timing Chain	85-84	222-358	VIN Code "G"; Silent type; 58 Links
1	Timing Chain	85-84	222-163	VIN Code "H"; Double rlr.; 58 Links
1	Timing Chain	83-75	222-358	w/2 Bbl. Carb.; Silent type; 58 Links
1	Timing Chain	74-69	222-358	Silent type; 58 Links
1	Crank Sprocket	90	223-531	w/rlr. type chain; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	87-86	223-531	VIN Code "H"; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	85-84	223-431	VIN Code "G"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	85-84	223-531	VIN Code "H"; Double row; Use w/Double rlr. chain; 21 Teeth
1	Crank Sprocket	83-81	223-431	VIN Code "G"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	80	223-431	VIN Codes "G" & "W"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	79-75	223-431	VIN Code "H"; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Crank Sprocket	74-69	223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
1	Cam Sprocket	90-86	223-612	w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	85	223-612	From 12/10/84; w/rlr. type chain; Double row; .900" thick cam sprocket hub; 42 Teeth
1	Cam Sprocket	85	223-468	To 12/9/84; VIN Code "H"; Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth
1	Cam Sprocket	85-84	223-430	VIN Code "G"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	84	223-468	VIN Code "H"; Double row; .500" thick cam sprocket hub; Use w/Double rlr. chain; 42 Teeth
1	Cam Sprocket	83-81	223-430	VIN Code "G"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	80	223-430	VIN Codes "G" & "W"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	79-75	223-430	VIN Code "H"; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	74-73	223-430	Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	72	223-430	From change L-7; Use w/Silent type chain; 42 Teeth
1	Cam Sprocket	72	223-406	To change L-7; 42 Teeth
1	Cam Sprocket	71-69	223-406	42 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-86	CS-764	
1	Camshaft	85-84	CS-674	VIN Code "G"
1	Camshaft	85-84	CS-764	VIN Code "H"
1	Camshaft	83-75	CS-674	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

37 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" 1980

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Performance Cam	90-69	CS-1581R		351W firing order; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	90-69	CS-1084R		351W firing order; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	90-69	CS-1231R		351W firing order; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4720" Int., .4960" Exh.; Lobe Separation 112 Degrees
16	Lifter	90-75	HT-900	Std Only	Hyd.
16	Lifter	90-75	HT-900R	Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
16	Lifter, Bulk	90-75	HT-900B	Std Only	Hyd.; Carton of 122
16	Lifter, Bulk	90-75	HT-900RB	Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
1	Prelube	90-75	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	90	KC-764		Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	90-75	KC-1084R		351W firing order; Hyd.; Incl. Pro-2000 Perf. Cam; Duration at .050: 204 Int., 224 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1084R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	90-75	KC-1231R		351W firing order; Hyd.; Incl. Pro-3000 Perf. Cam; Duration at .050: 214 Int., 224 Exh.; Valve lift .472" Int., .496" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1231R, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	89-86	KC-764		Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	85-84	KC-674		VIN Code "G"; Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	85-84	KC-764		VIN Code "H"; Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	83-75	KC-674		Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	90	KCT-764C		Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-88	KCT-764C		VIN Code "H"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	87-86	KCT-764C		VIN Code "H"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-764C		From 12/10/84; VIN Code "H"; Hyd.; Incl. double rlr. type chain; .900" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-764		To 12/9/84; VIN Code "H"; Hyd.; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	85-84	KCT-674A		VIN Code "G"; Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	84	KCT-764		VIN Code "H"; Hyd.; Incl. double rlr. type chain; .500" thick cam sprocket hub; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	83-81	KCT-674A		Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	80	KCT-674A		Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-75	KCT-674A		Hyd.; Incl. silent type chain; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	90-80	RP-3323R		Chrome-Moly; 8.1820" O.A.L.
16	Push Rod	90-80	RP-3209		8.1820" O.A.L.
16	Push Rod	79	RP-3209		w/Stamped steel rocker arms; 8.1820" O.A.L.
16	Push Rod	79	RP-3323R		Chrome-Moly; 8.1820" O.A.L.
16	Push Rod	78	RP-3209		From Ser. No. BA0002; w/Stamped steel rocker arms; 8.1820" O.A.L.
16	Push Rod	78	RP-3323R		From Ser. No. BA0002; Chrome-Moly; 8.1820" O.A.L.
16	Push Rod	78	RP-3166B		To Ser. No. BA0001; -1/16" shorter length; 8.0920" O.A.L.
16	Push Rod	78	RP-3225R		To Ser. No. BA0001; Chrome-Moly; 8.1440" O.A.L.
16	Push Rod	78	RP-3166		To Ser. No. BA0001; Std. length; 8.1420" O.A.L.
16	Push Rod	77-75	RP-3166B		-1/16" shorter length; 8.0920" O.A.L.
16	Push Rod	77-75	RP-3225R		Chrome-Moly; 8.1440" O.A.L.
16	Push Rod	77-75	RP-3166		Std. length; 8.1420" O.A.L.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 37

L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" (cont.) 1980

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod, Bulk	90-80	BRP-3209	Carton of 100; 8.1820" O.A.L.
	16	Push Rod, Bulk	79	BRP-3209	w/Stamped steel rocker arms; Carton of 100; 8.1820" O.A.L.
	16	Push Rod, Bulk	78	BRP-3209	From Ser. No. BA0002; w/Stamped steel rocker arms; Carton of 100; 8.1820" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-79	R-879	Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-879	From Ser. No. BA0002; Incl. arm & pivot; Stamped steel; Bolt type mount
	16	Arm Assy.	78	R-847	To Ser. No. BA0001; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy.	77-71	R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy., Bulk	90-79	R-879B	Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Arm Assy., Bulk	78	R-879B	From Ser. No. BA0002; Incl. arm & pivot; Stamped steel; Bolt type mount; Carton of 64
	16	Arm Assy., Bulk	78	R-847B	To Ser. No. BA0001; Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm Assy., Bulk	77-71	R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	16	Arm	90-79	R-1091R	Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Arm	78	R-1091R	From Ser. No. BA0002; Speed-Pro Stamped Steel w/rlr. tip; 1.6:1 ratio; Fits bolt type mount
	16	Pivot Ball	78-71	MR-1809	
	16	Nut	90-71	MR-1751	Self-locking, 3/8" x 24 threads
	16	Nut	90-71	MR-1823	5/16" x 24
	16	Bolt	90-79	MR-1847	5/16" X 18 UNC w/Washer
	16	Bolt	78	MR-1847	From Ser. No. BA0001; 5/16" X 18 UNC w/Washer
	16	Pivot	90-79	MR-1811	
	16	Pivot	78	MR-1811	From Ser. No. BA0002
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-79	V-1961 Std-3-15	Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	87-75	V-4551X Std Only	Chrome plated stem; Stellite face; 1.4520" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	78	V-1961 Std-3-15	From Ser. No. BA0001; w/Stamped steel rocker arms; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	78	V-2044 Std Only	To Ser. No. BA0000; w/Cast iron rocker arms; Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	77-75	V-2044 Std Only	Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust	74-69	V-1893 Std-15	Chrome plated stem; 1.5400" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	90-79	V-1961B Std-15	Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	78	V-1961B Std-15	From Ser. No. BA0001; w/Stamped steel rocker arms; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk	74-69	V-1893B15 15	Chrome plated stem; Carton of 25; 1.5400" Head Dia., .3565" Stem Dia., 5.0700" O.A.L.
	8	Intake	90-75	V-2045 Std-15	Chrome plated stem; 1.7820" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
	8	Intake	74-69	V-3926 Std-15	Chrome plated stem; 1.8420" Head Dia., .3420" Stem Dia., 5.0700" O.A.L.
	8	Intake, Bulk	90-75	V-2045B Std-15	Chrome plated stem; Carton of 25; 1.7820" Head Dia., .3419" Stem Dia., 5.0700" O.A.L.
	8	Intake, Bulk	74-69	V-3926B15 15	Chrome plated stem; Carton of 25; 1.8410" Head Dia., .3570" Stem Dia., 5.0700" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	90-75	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.
	16	Guide	90-75	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide	90-75	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk	90-75	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk	90-75	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

37 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" 1980

V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-86	VS-919	Exh.; VIN Code "H"; 1.9000" Free Height
	8	Spring	90-86	VS-918	Int.; 2.0280" Free Height
	8	Spring	90-78	VS-661	Int.; Incl. damper; 2.0460" Free Height
	8	Spring	85-84	VS-733	Exh.; VIN Code "G"; 1.9230" Free Height
	8	Spring	85-84	VS-919	Exh.; VIN Code "H"; 1.9000" Free Height
	8	Spring	85-84	VS-718	Int.; VIN Code "G"; 2.0280" Free Height
	8	Spring	85-84	VS-918	Int.; VIN Code "H"; 2.0280" Free Height
	8	Spring	83-77	VS-733	Exh.; 1.9230" Free Height
	8	Spring	83-77	VS-718	Int.; 2.0280" Free Height
V A L V E T R A I N	16	Spring	76-70	VS-718	Exh. & Int.; 2.0280" Free Height
	16	Spring	70	VS-707	Exh. & Int.; To 4/23/70; Incl. damper; 2.0730" Free Height
	16	Spring	69	VS-707	Exh. & Int.; Incl. damper; 2.0730" Free Height
	8	Spring, Bulk	90-86	VS-919B	Exh.; VIN Code "H"; Carton of 300; 1.9000" Free Height
	8	Spring, Bulk	85-84	VS-733B	Exh.; VIN Code "G"; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	85-84	VS-919B	Exh.; VIN Code "H"; Carton of 300; 1.9000" Free Height
	8	Spring, Bulk	85-84	VS-718B	Int.; VIN Code "G"; Carton of 250; 2.0280" Free Height
	8	Spring, Bulk	83-77	VS-733B	Exh.; Carton of 250; 1.9230" Free Height
	8	Spring, Bulk	83-77	VS-718B	Int.; Carton of 250; 2.0280" Free Height
	16	Spring, Bulk	76-70	VS-718B	Exh. & Int.; Carton of 250; 2.0280" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-71	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	86-71	MV-1906	Exh. & Int.; Umbrella type; Nylon
	16	Valve Stem Seal	79-71	MV-1796C	Exh. & Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal Bulk	90-71	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	79-71	MV-1796	Exh. & Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-75	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	90-75	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	90-75	245-1875-6 Std Only	1.8800" OD, 1.6250" ID, .2160" Depth
B L O C K	8	Exh.	74-69	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	74-69	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	74-69	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-71	VK-115	1 groove; Square cut key groove
	32	Keeper	90-71	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-71	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-69	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	90-69	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	90-69	259-103BRS	.030"; ID 1.030"; Carton of 500
B L O C K	16	Spring Insert	90-69	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	90-69	259-103ARS	.060"; ID 1.030"; Carton of 500
	8	Rotocap	90-75	RC-140	Exh.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90-77	463P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	8	Cast Piston	90-77	H653CP Std-20-30-40-60	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9122" Pin Dia., Recessed Head .190" deep oblong; DurOshield® skirt coated piston
	8	Cast Piston	90-77	H653P Std-20-30-40-60-80	Hypereutectic; Use w/E-251KC, E-251K or E-251X ring set; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9122" Pin Dia., Recessed Head .190" deep oblong
	8	Cast Piston	76-72	416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
	8	Cast Piston	71-69	416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
	8	Cast Piston - Individual	90-77	W463P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 37
L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" (cont.) 1980

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	71-69	W416P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.720" CD, .9122" Pin Dia., Recessed Head .240" deep - 7.7:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-77	8K463P30 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	1	Cast Piston Set w/Econ. Rings	90-77	8X463P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	8	Powerforged	90-77	L-2446F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	90-77	WL-2446F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-75	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	90-75	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	90-75	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-75	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-75	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-75	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-75	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	90-75	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	90-75	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-77	5078M Std-1-10-20-30-40	.020" O/S length flange brg. A-Series aluminum bearings
	1	Main Set	90-77	7154M10 10-20-30	
	1	Main Set	90-77	5078MA Std-1-10-20-30-40	
	1	Main Set	76-69	5107M Std-1-10-20-30-40	A-Series aluminum bearings A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	90-69	8-3380CPA Std-1-10-20-30-40	
	1	Rod Set	90-69	8-3380A Std-1-10-20-30-40	
	1	Rod Set	90-69	8-3380A10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	1	Rod Set	90-69	8-3380CPA10X2 10X2-20X2-30X2	
	8	Rod Pair	90-69	3380CPA Std-1-10-20-30-40	
	8	Rod Pair	90-69	3380A Std-1-10-20-30-40	A-Series aluminum bearings Babbitt material; Full round design
	1	Cam Set	90-69	1204M Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-75	224-41143	High Volume, check pan for clearance
	1	Oil Pump	90-75	224-41143V	
	1	Inter. Shaft	90-75	224-61143	
	1	Screen Assy.	90-87	224-13143	O.E. No. E3TZ-6622-G; 5.43" from bottom of screen to top of support bracket
	1	Screen Assy.	86	224-13143	VIN Code "H"; O.E. No. E3TZ-6622-G; 5.43" from bottom of screen to top of support bracket
	1	Screen Assy.	85-84	224-14143	VIN Code "G"; Over 8500 GVW; F150, F200, F250, F300, F350, E150, E250, E300, E350; Calif.; E100 & E250; w/o Calif. Emis.; O.E. No. D5TZ-6622-A; 5.13" from bottom of screen to top of support bracket
	1	Screen Assy.	85-84	224-13143	VIN Code "H"; O.E. No. E3TZ-6622-G; 5.43" from bottom of screen to top of support bracket
	1	Screen Assy.	83-82	224-14143	E100, E150, E200, E250; Under 8500 GVW; w/o Calif. Emis.; O.E. No. D5TZ-6622-A; 5.13" from bottom of screen to top of support bracket
	1	Screen Assy.	83-82	224-13143	E150, F100, F150, F200, F250, F350, E250, E300, E350; Over 8500 GVW & Calif.; O.E. No. E3TZ-6622-G; 5.43" from bottom of screen to top of support bracket
	1	Screen Assy.	81	224-14143	E100, E150, E200, E250, E300, E350 & F100, F150, F200, F250, F300, F350; Calif. Emis.; O.E. No. D5TZ-6622-A; 5.13" from bottom of screen to top of support bracket
	1	Screen Assy.	81	224-13143	E150, E200, E250, E300, E350 & F150, F200, F250, F350; Calif.; O.E. No. E3TZ-6622-G; 5.43" from bottom of screen to top of support bracket
	1	Screen Assy.	80-75	224-14143	O.E. No. D5TZ-6622-A; 5.13" from bottom of screen to top of support bracket

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

37 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" 1980

BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Kit Gasket Set	90-88	260-1446	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	87	260-1446	From 5/30/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	87	260-1170	To 5/29/87; Under 8500 GVW; Valve stem seals not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	86	260-1170	Under 8500 GVW; Valve stem seals from 7/22/86 not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	85-84	260-1170	Under 8500 GVW; Premium valve stem seals incl.		
	1	Kit Gasket Set	83	260-1170	From 7/11/83; Under 8500 GVW; Premium valve stem seals incl.		
	1	Kit Gasket Set	83	260-1126	To 7/10/83; E100, E250 & F Series; Premium valve stem seals incl.		
	1	Kit Gasket Set	83	260-1189	To 7/10/83; E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	82-77	260-1126	E100, E250 & F Series; Premium valve stem seals incl.		
	1	Kit Gasket Set	82-77	260-1189	E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	76	260-1126	E100, E250 & F Series; Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	76	260-1189	E150, E350; Int. manifold gskt. not incl.; Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	75	260-1126	E100, E250 & F Series; Valve stem seals not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	75	260-1189	E150, E350; Int. manifold gskt. not incl.; Valve stem seals not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	74	260-1028	Thermactor Emission int. manifold gskts. not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	73-69	260-1028	Premium valve stem seals incl.		
KITS	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	KITS	
	1	Brass Block Plug Kit	90-69	381-8015			
	1	Steel Block Plug Kit	90-69	381-4010			
	RE-RING KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.		ECONOMY KIT NO.
	90-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6116		205-1116
			Re-ring w/Mains		205-6116M		205-1116M
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6116		205-1116
			Re-ring w/Mains		205-6116M		205-1116M
	87	To 5/29/87; Under 8500 GVW; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-761		205-261
			Re-ring w/Mains		205-761M		205-261M
	86	Under 8500 GVW; Valve stem seals from 7/22/86 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-761		205-261
			Re-ring w/Mains		205-761M		205-261M
	85-84	Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-761		205-261
			Re-ring w/Mains		205-761M		205-261M
	83	To 7/10/83; E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-627A		205-127A
			Re-ring w/Mains		205-627AM		205-127AM
	83	From 7/11/83; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-761		205-261
			Re-ring w/Mains		205-761M		205-261M
	83	To 7/10/83; E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-774A		205-274A
			Re-ring w/Mains		205-774AM		205-274AM
	82-77	E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-627A		205-127A
			Re-ring w/Mains		205-627AM		205-127AM
	82-77	E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-774A		205-274A
			Re-ring w/Mains		205-774AM		205-274AM
	76	E100, E250 & F Series; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-627M		205-127M
	76	E100, E250 & F Series; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-627A		205-127A

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 **37**

L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" (cont.) 1980

K I T S	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	76	E150, E350; Int. manifold gskt. not incl.; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains 205-774M	205-274M	
	76	E150, E350; Int. manifold gskt. not incl.; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-774A	205-274A	
	75	E100, E250 & F Series; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains 205-627M	205-127M	
	75	E100, E250 & F Series; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-627A	205-127A	
	75	E150, E350; Int. manifold gskt. not incl.; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains 205-774M	205-274M	
	75	E150, E350; Int. manifold gskt. not incl.; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-774A	205-274A	
	OVERHAUL KIT		PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION			
	90	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-6116A MK-6116A	MKP-1116A MK-1116A	
	90	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains MKF-6116A 505-6116A	----- 505-1116A	
	90-88	Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs BKP-6167	-----	
	90-88	Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block BK-6167	-----	
	89-88	VIN Code "H"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-6116A MK-6116A	MKP-1116A MK-1116A	
	89-88	VIN Code "H"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains MKF-6116A 505-6116A	----- 505-1116A	
	87	From 5/30/87; VIN Code "H"; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-6116A MK-6116A	MKP-1116A MK-1116A	
	87	From 5/30/87; VIN Code "H"; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains MKF-6116A 505-6116A	----- 505-1116A	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs BKP-6167	-----	
	87	From 5/30/87; Multi-piece oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block BK-6167	-----	
	87	To 5/29/87; VIN Code "H"; Under 8500 GVW; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-761C MK-761C	MKP-261C MK-261C	
	87	To 5/29/87; VIN Code "H"; Under 8500 GVW; Valve stem seals not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains MKF-761C 505-761C	----- 505-261C	
	86	VIN Code "H"; Under 8500 GVW; Valve stem seals from 7/22/86 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons MKP-761C MK-761C	MKP-261C MK-261C	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

37 5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" 1980

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	86	VIN Code "H"; Under 8500 GVW; Valve stem seals from 7/22/86 not incl.; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C
	85	From 12/10/84; VIN Code "H"; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Master Master w/o Pistons	MKP-761C MK-761C	MKP-261C MK-261C
	85	From 12/10/84; VIN Code "H"; Under 8500 GVW; Premium valve stem seals incl.; Incl. double rlr. type chain; .900" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761C 505-761C	----- 505-261C
	85	To 12/9/84; VIN Code "H"; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-761D MK-761D	MKP-261D MK-261D
	85	To 12/9/84; VIN Code "H"; Under 8500 GVW; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761D 505-761D	----- 505-261D
	85-84	VIN Code "G"; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-761A MK-761A	MKP-261A MK-261A
	85-84	VIN Code "G"; Under 8500 GVW; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761A 505-761A	----- 505-261A
	84	VIN Code "H"; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Master Master w/o Pistons	MKP-761D MK-761D	MKP-261D MK-261D
	84	VIN Code "H"; Under 8500 GVW; Premium valve stem seals incl.; Incl. double rlr. type chain; .500" thick cam sprocket hub	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761D 505-761D	----- 505-261D
	83	To 7/10/83; E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
	83	To 7/10/83; E100, E250 & F Series; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
	83	From 7/11/83; Under 8500 GVW; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-761A MK-761A	MKP-261A MK-261A
	83	From 7/11/83; Under 8500 GVW; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-761A 505-761A	----- 505-261A
	83	To 7/10/83; E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-774C MK-774C	MKP-274C MK-274C
	83	To 7/10/83; E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-774C 505-774C	----- 505-274C
	82-81	E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
	82-81	E100, E250 & F Series; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
	82-81	E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-774C MK-774C	MKP-274C MK-274C
	82-81	E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-774C 505-774C	----- 505-274C
	80	E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-627C MK-627C	MKP-127C MK-127C
	80	E100, E250 & F Series; Premium valve stem seals incl.; Incl. silent type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-627C 505-627C	----- 505-127C
	80	E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-774C MK-774C	MKP-274C MK-274C

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 351 OHV V8 (Windsor), 4" Bore 1990-69 37				
L/D Truck VIN Codes "G" 1980-85, "H" 1969-79 & 1984-98, "M" 1969-71, "R" 1993-96 (Lightning), "W" (cont.) 1980				
K I T S	OVERHAUL KIT (cont.)			
	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	80	E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	505-274C
	79-77	E100, E250 & F Series; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-127C
	79-77	E100, E250 & F Series; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	505-127C
	79-77	E150, E350; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-274C
	79-77	E150, E350; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	505-274C
	76	E100, E250 & F Series; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-127A
	76	E100, E250 & F Series; Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-127A
	76	E150, E350; Int. manifold gskt. not incl.; Valve stem seals to 12/1/75 not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-274A
	76	E150, E350; Int. manifold gskt. not incl.; Valve stem seals to 12/1/75 not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-274A
	75	E100, E250 & F Series; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-127A
	75	E100, E250 & F Series; Valve stem seals not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-127A
	75	E150, E350; Int. manifold gskt. not incl.; Valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	505-274A
	75	E150, E350; Int. manifold gskt. not incl.; Valve stem seals not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-274A
V A L V E T R A I N	5.8L 352 OHV V8, 4" Bore 1967-57 38			
	L/D Truck VIN Codes "D" 1965-67, "H" 1957-60, "X" 1960, "Y" 1960			
	QTY	TIMING	YEARS	PART NO.
	1	3 Piece Set	67-65	KT3-494SA1
	1	Timing Chain	67-65	222-494
	1	Crank Sprocket	67-65	223-321
	1	Cam Sprocket	67-65	223-396
	DESCRIPTION			
	Incl. (1) 222-494, (1) 223-321, (1) 223-396			
	48 Links			
	18 Teeth			
	Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth			
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	1	Camshaft	67	CS-643
	1	Camshaft	67	CS-443
	1	Camshaft	66-65	CS-443
	16	Lifter	67-65	HT-2083 Std Only
	16	Lifter, Bulk	67-65	HT-2083B Std Only
	1	Prelube	67-65	55-400
	DESCRIPTION			
	From Ser. No. A84001			
	To Ser. No. A84000; Hyd.			
	Hyd.			
	Hyd.			
	Hyd.; Carton of 122			
	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.			
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.
	1	Cam/Lifter Kit	67	KC-643
	1	Cam/Lifter Kit	67	KC-443
	1	Cam/Lifter Kit	66-65	KC-443
	1	Cam/Lifter/Timing Kit	67	KCT-643
	DESCRIPTION			
	From Ser. No. A84001; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) 55-403B			
	To Ser. No. A84000; Hyd.; Incl. (1) CS-443, (16) HT-2083, (1) 55-403B			
	Hyd.; Incl. (1) CS-443, (16) HT-2083, (1) 55-403B			
	From Ser. No. A84001; Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA1, (1) 55-403B			
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.
	16	Push Rod	67-65	RP-3227R
	DESCRIPTION			
	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.			

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

38 5.8L 352 OHV V8, 4" Bore 1967-57

(cont.) L/D Truck VIN Codes "D" 1965-67, "H" 1957-60, "X" 1960, "Y" 1960

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	67-65	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.
	16	Push Rod	67-65	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
	16	Push Rod	67-65	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
	16	Push Rod	67-65	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
	16	Push Rod, Bulk	67-65	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
	16	Push Rod, Bulk	67-65	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	67-65	R-814	w/Hyd. lifters
	2	Rocker Shaft	67-65	RS-621	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	67-65	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Exhaust, Bulk	67-65	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Intake	67-65	V-1539 Std-15	2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake, Bulk	67-65	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	67	VS-1428	From Ser. No. A84001; 2.3430" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	67-65	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	67-65	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	67-65	MV-1775C	Umbrella type; Polyacrylate
BLOCK	16	Valve Stem Seal Bulk	67-65	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	67-65	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	67-65	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	67-65	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	67-65	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	8	Int.	67-65	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-65	VK-138	1 groove; Square cut key groove
	32	Keeper	67-65	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-65	VK-138B	1 groove; Square cut key groove; Carton of 1000
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	66-58	246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Cast Piston - Individual	66-58	W246NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.816" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs - 9.0:1 C.R.
	8	Pin Bushing	67-65	2304V	Split type bushing
	8	Pin Bushing	67-65	2304V20	Split type bushing; w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	67-65	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16
	1	Standard Set	67-65	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
	8	Premium Single Cylinder Set	67-65	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16
	8	Standard Single Cylinder Set	67-65	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve	67-65	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	1	Repair Sleeve	67-65	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-65	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD
	1	Main Set	59-58	4020M Std-10	3.684" max. flange OD
	1	Rod Set	67-65	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	67-65	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
	1	Rod Set	59-58	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	59-58	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
	1	Rod Set	67-65	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	1	Rod Set	59-58	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	1	Rod Set	59-58	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.8L 352 OHV V8, 4" Bore 1967-57 38				
L/D Truck VIN Codes "D" 1965-67, "H" 1957-60, "X" 1960, "Y" 1960 (cont.)				
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.
	8	(cont.) Rod Pair	67-65	3230CP Std-1-2-10-20-30-40-50
	8	Rod Pair	59-58	3230CP Std-1-2-10-20-30-40-50
	1	Cam Set	67-65	1445M Std Only
	1	Cam Set	59-58	1445M Std Only
	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump	67-65	224-41173
	1	Oil Pump	67-65	224-43365A
	1	Oil Pump	67-65	224-41177
	1	Inter. Shaft	67-65	224-61114
	1	Screen Assy.	67	224-14158
	1	Screen Assy.	67	224-14252
	1	Screen Assy.	66-65	224-14159
	1	Screen Assy.	66-65	224-14252
	QTY	GASKETS	YEARS	PART NO.
	1	Kit Gasket Set	67-65	260-1035
	1	Kit Gasket Set	59-57	260-1035
	QTY	FREEZE PLUGS	YEARS	PART NO.
	1	Brass Block Plug Kit	67-65	381-8017
	1	Brass Block Plug Kit	59-58	381-8017
	1	Steel Block Plug Kit	67-65	381-4015
	1	Steel Block Plug Kit	59-58	381-4015
RE-RING KIT				
YEARS DESCRIPTION		PREMIUM KIT NO.		ECONOMY KIT NO.
67-65 Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.		Re-ring		205-890 205-390

5.9L 360 OHV V8, 4.05" Bore 1977-68 39				
L/D Truck VIN Codes "H" 1975-76, "Y" 1968-77				
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.
	1	3 Piece Set	76-74	KT3-494SA3
	1	3 Piece Set	73-68	KT3-494SA1
	1	Timing Chain	76-68	222-494
	1	Crank Sprocket	76-68	223-321
	1	Cam Sprocket	76-74	223-448
	1	Cam Sprocket	73-68	223-396
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	1	Camshaft	76-68	CS-643
	16	Lifter	76-68	HT-2083 Std Only
	16	Lifter, Bulk	76-68	HT-2083B Std Only
	1	Prelube	76-68	55-400
	QTY	CAM KIT	YEARS	PART NO.
	1	Cam/Lifter Kit	76-68	KC-643
	1	Cam/Lifter/Timing Kit	76-74	KCT-643A
	1	Cam/Lifter/Timing Kit	73-68	KCT-643
	QTY	PUSH ROD	YEARS	PART NO.
	16	Push Rod	76-68	RP-3227R
	16	Push Rod	76-68	RP-3172B
	16	Push Rod	76-68	RP-3172
	16	Push Rod	76-68	RP-3172A
	16	Push Rod	76-68	RP-3172C
	16	Push Rod, Bulk	76-68	BRP-3172B
	16	Push Rod, Bulk	76-68	BRP-3172
	QTY	ROCKER PARTS	YEARS	PART NO.
	16	Arm	76-68	R-814
	2	Rocker Shaft	76-68	RS-621
	QTY	VALVE	YEARS	PART NO.
	8	Exhaust	76-68	V-1853 Std-15
	8	Exhaust, Bulk	76-68	V-1853B Std-15
	8	Intake	76-68	V-1539 Std-15

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

39 5.9L 360 OHV V8, 4.05" Bore 1977-68
(cont.) L/D Truck VIN Codes "H" 1975-76, "Y" 1968-77

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Intake, Bulk	76-68	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	76-68	VG-5007	.3725" ID, 2.3800" O.A.L.
	16	Guide	76-68	VG-5007T	Threaded; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	76-68	VG-5007B	Carton of 50; .3725" ID, 2.3800" O.A.L.
	16	Guide, Bulk	76-68	VG-5007TB	Threaded; .3725" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	76	VS-682	Int.; Incl. damper; 2.1200" Free Height
	16	Spring	75-68	VS-682	Exh. & Int.; Incl. damper; 2.1200" Free Height
VALVE TRAIN	8	Spring, Bulk	76	VS-682B	Int.; Incl. damper; Carton of 200; 2.1200" Free Height
	16	Spring, Bulk	75-68	VS-682B	Exh. & Int.; Incl. damper; Carton of 200; 2.1200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-68	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	76-68	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal	76-68	MV-1775C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	76-68	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	76-68	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	76-68	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exh.	76-68	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	76-68	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	76-68	245-1687-3 Std Only	1.6925" OD, 1.4375" ID, .2480" Depth
	8	Int.	76-68	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-68	VK-138	1 groove; Square cut key groove
	32	Keeper	76-68	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-68	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-68	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	76-68	259-103B	.030"; ID 1.030"; Carton of 100
BLOCK	16	Spring Insert	76-68	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	76-68	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	76-68	259-103ARS	.060"; ID 1.030"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	76-68	H395P Std-20-30-40-60	Hypereutectic; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.759" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston - Individual	76-68	WH395P Std-20-30-40-60	Hypereutectic; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.759" CD, .9751" Pin Dia., Flat Head w/4 valve reliefs
	8	Pin Bushing	76-68	2304V	Split type bushing
	8	Pin Bushing	76-68	2304V20	Split type bushing; w/.020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	76-68	E-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
BLOCK	1	Premium Set	76-68	E-260K Std Only	2-5/64, 1-3/16; Check piston grooving before using
	1	Standard Set	76-68	E-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	8	Premium Single Cylinder Set	76-68	WE-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	8	Standard Single Cylinder Set	76-68	WE-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve	76-68	SL-197M Std Only	3/32" wall, cut to length; Press fit sleeve
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	76-68	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD
	1	Rod Set	76-68	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable
	1	Rod Set	76-68	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.
BLOCK	1	Rod Set	76-68	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.
	8	Rod Pair	76-68	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.
	1	Cam Set	76-68	1445M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	76-68	224-41173	High Pressure
	1	Oil Pump	76-68	224-43365A	High Volume, check pan for clearance
	1	Oil Pump	76-68	224-41177	High Volume, check pan for clearance

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

5.9L 360 OHV V8, 4.05" Bore 1977-68 39							
L/D Truck VIN Codes "H" 1975-76, "Y" 1968-77 (cont.)							
B L O C K	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION		
	1	Inter. Shaft	76-68	224-61114			
	1	Screen Assy.	76-68	224-14159	RWD		
	1	Screen Assy.	76-68	224-14252	4WD		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	77-68	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	77-68	381-8017			
	1	Steel Block Plug Kit	77-68	381-4015			
K I T S	RE-RING KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	76-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set	Re-ring		205-601	205-101	
	76-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Re-ring w/Mains		205-601M	205-101M	
	OVERHAUL KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	76-74	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons		MK-601M	MK-101M	
	76-74	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master		MKP-601P	MKP-101P	
	73-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons		MK-601C	MK-101C	
	73-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; w/3.824" max. brg. flange OD	Master		MKP-601N	MKP-101N	
	5.9L 361 OHV V8, 4.05" Bore 1966-64 40						
	L/D Truck						
		QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
		1	Brass Block Plug Kit	66-64	381-8017		
		1	Steel Block Plug Kit	66-64	381-4015		
6.4L 390 OHV V8, 4.05" Bore 1977-67 41							
L/D Truck VIN Codes "H" 1967-77, "M" 1974-77, "S" 1968-69 (GT), "Y" 1967-69							
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1	3 Piece Set	76-74	KT3-494SA3	Incl. (1) 222-494, (1) 223-321, (1) 223-448		
	1	3 Piece Set	73-68	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396		
	1	Timing Chain	76-68	222-494	48 Links		
	1	Crank Sprocket	76-68	223-321	18 Teeth		
	1	Cam Sprocket	76-74	223-448	36 Teeth		
	1	Cam Sprocket	73-68	223-396	Installation doesn't require spacer on cam nose. Older type Engs. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	1	Camshaft	76-68	CS-643			
	1	Lifter	76-68	HT-2083	Std Only	Hyd.	
	16	Lifter, Bulk	76-68	HT-2083B	Std Only	Hyd.; Carton of 122	
	1	Prelube	76-68	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
	1	Cam/Lifter Kit	76-68	KC-643	Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) 55-403B		
	1	Cam/Lifter/Timing Kit	76-74	KCT-643A	Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA3, (1) 55-403B		
	1	Cam/Lifter/Timing Kit	73-68	KCT-643	Hyd.; Incl. (1) CS-643, (16) HT-2083, (1) KT3-494SA1, (1) 55-403B		
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
	16	Push Rod	76-68	RP-3227R	Ball & ball type ends; Chrome-Moly; 9.5950" O.A.L.		
	16	Push Rod	76-68	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.		

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

41 6.4L 390 OHV V8, 4.05" Bore 1977-67

(cont.) L/D Truck VIN Codes "H" 1967-77, "M" 1974-77, "S" 1968-69 (GT), "Y" 1967-69

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	76-68	RP-3172	Ball & ball type ends; 9.6210" O.A.L.
	16	Push Rod	76-68	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.
	16	Push Rod	76-68	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.
	16	Push Rod, Bulk	76-68	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	76-68	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	76-68	R-814	Non-Adj.
	2	Rocker Shaft	76-68	RS-621	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exhaust	76-68	V-1853 Std-15	Chrome plated stem; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Exhaust, Bulk	76-68	V-1853B Std-15	Chrome plated stem; Carton of 25; 1.5580" Head Dia., .3715" Stem Dia., 5.4360" O.A.L.
	8	Intake	76-73	V-1809 Std-3	Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	72	V-1809 Std-3	From Ser. No. T4001; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	72	V-1809 Std-3	Optional-H/D; To Ser. No. T4000; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
VALVE TRAIN	8	Intake	72	V-1539 Std-15	To Ser. No. T4000; 2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake	71-68	V-1809 Std-3	Optional-H/D; Chrome plated stem; 2.0300" Head Dia., .3716" Stem Dia., 5.4440" O.A.L.
	8	Intake	71-68	V-1539 Std-15	2.0270" Head Dia., .3716" Stem Dia., 5.4460" O.A.L.
	8	Intake, Bulk	72	V-1539B15 15	To Ser. No. T4000; Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
	8	Intake, Bulk	71-68	V-1539B15 15	Carton of 50; 2.0270" Head Dia., .3866" Stem Dia., 5.4460" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	76	VS-682	Exh. & Int.; F250, F350; Incl. damper; 2.1200" Free Height
	8	Spring	76	VS-682	Int.; F100; Incl. damper; 2.1200" Free Height
	16	Spring	75-68	VS-682	Exh. & Int.; Incl. damper; 2.1200" Free Height
	16	Spring, Bulk	76	VS-682B	Exh. & Int.; F250, F350; Incl. damper; Carton of 200; 2.1200" Free Height
VALVE TRAIN	8	Spring, Bulk	76	VS-682B	Int.; F100; Incl. damper; Carton of 200; 2.1200" Free Height
	16	Spring, Bulk	75-68	VS-682B	Exh. & Int.; Incl. damper; Carton of 200; 2.1200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-68	ST-2014	Use w/repair guide; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	76-68	ST-2002	Use w/O.E. guide; Installation requires valve guide machining; Polyacrylate
VALVE TRAIN	16	Valve Stem Seal	76-68	MV-1775C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	76-68	MV-1775	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	76-68	ST-2014BC	Use w/repair guide; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	76-68	ST-2002BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exh.	76-68	245-1687-1N Std Only	Premium Material; 1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	76-68	245-1687-1 Std Only	1.6925" OD, 1.4060" ID, .2480" Depth
	8	Exh.	76-68	245-1687-3 Std Only	1.6925" OD, 1.4375" ID, .2480" Depth
	8	Int.	76-68	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	32	Keeper	76-68	VK-138	1 groove; Square cut key groove
	32	Keeper	76-68	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-68	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-68	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	76-68	259-103B	.030"; ID 1.030"; Carton of 100
VALVE TRAIN	16	Spring Insert	76-68	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	76-68	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	76-68	259-103ARS	.060"; ID 1.030"; Carton of 500
	8	Rotocap Assy.	72-68	RC-141A	
	8	Rotocap	76-68	RC-141	
VALVE TRAIN	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	76-68	381P + Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use 381NP

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

6.4L 390 OHV V8, 4.05" Bore 1977-67 **41**

L/D Truck VIN Codes "H" 1967-77, "M" 1974-77, "S" 1968-69 (GT), "Y" 1967-69 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston	76-68	381NP Std-20-30-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets	
	8	Cast Piston - Individual	76-68	W381P + Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9751" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve reliefs - 8.2:1 C.R.; When depleted use W381NP	
	8	Cast Piston - Individual	76-68	W381NP * Std-40-60	Cast; 1-5/64", 1-3/32", 1-3/16" Ring Groove, 1.660" CD, .9753" Pin Dia., Recessed Head .097" deep x 2.620" dia. w/4 valve pockets	
	8	Pin	76-68	P-2217 Std Only		
	8	Pin Bushing	76-67	2304V	Split type bushing	
	8	Pin Bushing	76-67	2304V20	Split type bushing; w/.020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	76-68	E-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
	1	Standard Set	76-68	E-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
BLOCK	8	Premium Single Cylinder Set	76-68	WE-180K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	BLOCK
	8	Standard Single Cylinder Set	76-68	WE-180X Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16; Check piston grooving before using	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	76-68	SL-197M Std Only	3/32" wall, cut to length; Press fit sleeve	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	76-67	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD	
	1	Rod Set	76-67	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Eng's.; 8-3230CA 60 avail. as unplated & resizeable	
	1	Rod Set	76-67	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Eng's.	
	1	Rod Set	76-67	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Eng's.	
	8	Rod Pair	76-67	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Eng's.	
BLOCK	1	Cam Set	76-67	1445M Std Only		BLOCK
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	76-68	224-41173		
	1	Oil Pump	76-68	224-43365A	High Pressure	
	1	Oil Pump	76-68	224-41177	High Volume, check pan for clearance	
	1	Inter. Shaft	76-68	224-61114		
	1	Screen Assy.	76-68	224-14159		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	77-67	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
KITS	1	Brass Block Plug Kit	77-67	381-8017		KITS
	1	Steel Block Plug Kit	76-67	381-4015		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	76-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; Check piston grooving before using ring set	Re-ring		205-601	205-101
	76-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Re-ring w/Mains		205-601M	205-101M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	76-74	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; w/3.824" max. brg. flange OD	Master		MKP-601M	MKP-101M
	76-74	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons		MK-601M	MK-101M
	73-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; Incl. High Volume oil pump, check pan for clearance; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons		MK-601C	MK-101C
	73-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Eng's.; w/3.824" max. brg. flange OD	Master		MKP-601F	MKP-101F

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

41 6.4L 390 OHV V8, 4.05" Bore 1977-67

(cont.) L/D Truck VIN Codes "H" 1967-77, "M" 1974-77, "S" 1968-69 (GT), "Y" 1967-69

OVERHAUL KIT (cont.)			PREMIUM KIT NO. MK-601F	ECONOMY KIT NO. MK-101F
YEARS	DESCRIPTION			
73-68	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.; Check piston grooving before using ring set; w/3.824" max. brg. flange OD	Master w/o Pistons		

42 6.6L 400 OHV V8, 4" Bore 1982-72

L/D Truck VIN Codes "S" 1972-80, "Z" 1980-82

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	82-77	KT3-494SA2	Incl. (1) 222-494, (1) 223-420A, (1) 223-493
1	3 Piece Set	76-73	KT3-498SA2	Incl. (1) KT3-498SA2
1	3 Piece Set	72	KT3-494SA2	Incl. (1) 222-494, (1) 223-420A, (1) 223-493
1	Timing Chain	82-77	222-494	48 Links
1	Timing Chain	76-72	222-498	48 Links
1	Timing Chain	72	222-494	48 Links
1	Crank Sprocket	82-77	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
1	Crank Sprocket	76-72	223-475	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-475; 18 Teeth
1	Crank Sprocket	72	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
1	Cam Sprocket	82-77	223-420A	36 Teeth
1	Cam Sprocket	72	223-420A	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	82-72	CS-667	
16	Lifter	82-72	HT-900 Std Only	Hyd.
16	Lifter, Bulk	82-72	HT-900B Std Only	Hyd.; Carton of 122
1	Prelube	82-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	82-77	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	76-73	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B
1	Cam/Lifter Kit	72	KC-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) 55-403B
1	Cam/Lifter/Timing Kit	82-77	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-73	KCT-667A	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-498SA2, (1) 55-403B
1	Cam/Lifter/Timing Kit	72	KCT-667	Hyd.; Incl. (1) CS-667, (16) HT-900, (1) KT3-494SA2, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	82-77	RP-3186	9.5000" O.A.L.
16	Push Rod, Bulk	82-77	BRP-3186	Carton of 100; 9.5000" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	82-77	R-855	Incl. arm & pivot
16	Arm Assy., Bulk	82-77	R-855B	Incl. arm & pivot; Carton of 64
16	Arm	82-77	R-855A	
16	Bolt	82-77	MR-1951	5/16" X 18 UNC w/o washer
16	Pivot	82-77	MR-1811	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	82-78	V-2095 Std-15	Chrome plated stem; 1.6560" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Exhaust	77-72	V-2030 Std-15	4 groove; Chrome plated stem; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Exhaust, Bulk	82-78	V-2095B15 15	1 groove; Chrome plated stem; Carton of 25; 1.6545" Head Dia., .3564" Stem Dia., 5.0500" O.A.L.
8	Exhaust, Bulk	77-72	V-2030B Std-15	4 groove; Chrome plated stem; Carton of 25; 1.6550" Head Dia., .3414" Stem Dia., 5.0500" O.A.L.
8	Intake	82-80	V-2142 Std-15	1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	79	V-2142 Std-15	From Ser. No. CG0001; 1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	78	V-2142 Std-15	From Ser. No. CG0001; 1 groove; Chrome plated stem; 2.0400" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	78	V-2075 Std-15	To Ser. No. CG0000; 4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake	77-72	V-2075 Std-15	4 groove; Chrome plated stem; 2.0410" Head Dia., .3420" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	82-80	V-2142B15 15	1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

6.6L 400 OHV V8, 4" Bore 1982-72 42
L/D Truck VIN Codes "S" 1972-80, "Z" 1980-82 (cont.)

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Intake, Bulk	79	V-2142B15 15	From Ser. No. CG0001; 1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	78	V-2142B15 15	From Ser. No. CG0001; 1 groove; Chrome plated stem; Carton of 25; 2.0400" Head Dia., .3570" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	78	V-2075B Std-15	To Ser. No. CG0000; 4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
8	Intake, Bulk	77-72	V-2075B Std-15	4 groove; Chrome plated stem; Carton of 50; 2.0410" Head Dia., .3419" Stem Dia., 5.2310" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	82-72	VG-5005	.3430" ID, 2.2500" O.A.L.
16	Guide	82-72	VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
16	Guide	82-72	VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide, Bulk	82-72	VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
16	Guide, Bulk	82-72	VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	82-78	VS-1435	Exh.; 1.9650" Free Height
8	Spring	82-78	VS-703	Int.; 2.0560" Free Height
8	Spring	82-72	VS-661	Int.; Incl. damper; 2.0460" Free Height
16	Spring	77-72	VS-703	2.0560" Free Height
8	Spring, Bulk	82-78	VS-1435B	Exh.; Carton of 250; 1.9650" Free Height
8	Spring, Bulk	82-78	VS-703B	Int.; Carton of 250; 2.0560" Free Height
16	Spring, Bulk	77-72	VS-703B	Carton of 250; 2.0560" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	82-77	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	82-77	MV-1817C	Umbrella type; Polyacrylate
16	Valve Stem Seal Bulk	82-77	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	82-77	MV-1817	Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	82-72	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	82-72	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	82-72	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	82-77	VK-115	1 groove; Square cut key groove
32	Keeper	82-77	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	82-77	VK-205	4 groove
32	Keeper	82-77	VK-205R	4 groove; Hardened
32	Keeper, Bulk	82-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	82-72	259-103C	.015"; ID 1.030"; Carton of 100
16	Spring Insert	82-72	259-103B	.030"; ID 1.030"; Carton of 100
16	Spring Insert	82-72	259-103BRS	.030"; ID 1.030"; Carton of 500
16	Spring Insert	82-72	259-103A	.060"; ID 1.030"; Carton of 100
16	Spring Insert	82-72	259-103ARS	.060"; ID 1.030"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	82-72	427P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Cast Piston - Individual	82-72	W427P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
1	Cast Piston Set w/Prem. Rings	82-72	8K427P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
1	Cast Piston Set w/Econ. Rings	82-72	8X427P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.630" CD, .9751" Pin Dia., Recessed Head .145" deep x 3.000" dia. w/2 valve reliefs - 7.9:1 C.R.
8	Pin	82-77	P-2217 Std Only	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	82-77	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	82-77	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	82-77	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	82-77	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	82-77	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	82-77	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	82-77	5078M Std-1-10-20-30-40	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

42 6.6L 400 OHV V8, 4" Bore 1982-72

(cont.) L/D Truck VIN Codes "S" 1972-80, "Z" 1980-82

BLOCK	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	82-77	7154M10	10-20-30 .020" O/S length flange brg.	
	1	Main Set	82-77	5078MA	Std-1-10-20-30-40 A-Series aluminum bearings	
	1	Rod Set	82-77	8-3400CP	Std-1-10-20-30-40	
	1	Rod Set	82-77	8-3400CP10X2	10X2-20X2-30X2 Use in .002" O/S Rod Bore	
	8	Rod Pair	82-77	3400CP	Std-1-10-20-30-40	
	1	Cam Set	82-77	1403M	Std Only Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	82-77	224-41166		
1	Oil Pump	82-77	224-41166V	High Volume, check pan for clearance		
1	Pump Repair Kit	82-77	224-51139			
1	Inter. Shaft	82-77	224-61166			
1	Screen Assy.	82-80	224-12166			
1	Screen Assy.	79-77	224-11166	F100, F150, F200, F250, F350; RWD		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	82-72	260-1014	Int. manifold gskt. not incl.; Premium valve stem seals incl.		
1	Valley Pan Gasket Set	82-75	260-4004			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	82-80	381-8016			
1	Brass Block Plug Kit	79-77	381-8016			
1	Brass Block Plug Kit	72	381-8016			
1	Steel Block Plug Kit	82-80	381-4018			
1	Steel Block Plug Kit	79-77	381-4018			
1	Steel Block Plug Kit	72	381-4018			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82-77	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-624	205-124
	82-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring w/Mains		205-624AM	205-124AM
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	82-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master w/o Pistons		MK-624J	MK-124J
82-77	Int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master		MKP-624P	MKP-124P	
82-77	Int. manifold gskts. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-624P	505-124P	

43 6.9L 420 OHV Diesel V8 (IDI), 4" Bore (International Eng.) 1987-83

L/D Truck VIN Code "1" 1983-87

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Gear Set	87-83	221-3342S	Incl. (1) 221-3342S	
	1	Cam Gear	87-83	221-3342	106 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	87-83	CS-771		
VALVE TRAIN	16	Lifter	87-83	HT-2104	Std Only Hyd. rlr.	VALVE TRAIN
	16	Lifter, Bulk	87-83	HT-2104B	Std Only Hyd. rlr.; Carton of 113	
	1	Prelube	87-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	87-83	KC-771	Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 55-403B	
VALVE TRAIN	1	Cam/Lifter/Timing Kit	87-83	KCT-771	Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 221-3342S, (1) 55-403B	VALVE TRAIN
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	87-83	RP-3237	Install w/copper colored ball toward rocker arm; 9.9890" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	87-83	R-1119	Incl. 2-arms, 2-pivots & 1-retainer	
VALVE TRAIN	8	Arm	87-83	R-949	Incl. 1-rocker arm	VALVE TRAIN
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	87-83	V-2302	Std Only Chrome plated stem; 1.5950" Head Dia., .3719" Stem Dia., 5.6700" O.A.L.	
	8	Intake	87-83	V-2303	Std Only Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L.	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

6.9L 420 OHV Diesel V8 (IDI), 4" Bore (International Eng.) 1987-83 43						
L/D Truck VIN Code "1" 1983-87 (cont.)						
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	87-83	VG-804	Repair Guide; .3750" ID, 2.6000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	87-83	VS-693	Incl. damper; 2.0500" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	87-83	MV-1796C	Umbrella type; Fits Std. to .015" O/S valve stem; Rubber	
	16	Valve Stem Seal Bulk	87-83	MV-1796	Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Int.	87-85	245-1937-1 Std Only	Cannot be used in early year A & B castings because of thin castings; 1.9425" OD, 1.6875" ID, .2480" Depth	
	8	Exh.	87-83	245-1669-1 Std Only	1.6690" OD, 1.3700" ID, .2710" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	87-83	VK-138	1 groove; Square cut key groove	
	32	Keeper	87-83	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	87-83	VK-138B	1 groove; Square cut key groove; Carton of 1000	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	87-85	2770PN Std-20-40	Cast; Destroyed version of 2652PN; 2-5/64", 1-7/64" Ring Groove, 1.935" CD, 1.1100" Pin Dia., Ricardo Cup; Same as 2652PN Exc. De-Stroked .010"	
	8	Cast Piston	87-85	H729CP Std-20-30	Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DurOshield® skirt coated piston	
	8	Cast Piston	84	2770PN Std-20-40	From 10/3/83; From Ser. No. 59209; Cast; Destroyed version of 2652PN; 2-5/64", 1-7/64" Ring Groove, 1.935" CD, 1.1100" Pin Dia., Ricardo Cup; Same as 2652PN Exc. De-Stroked .010"	
	8	Cast Piston	84	H729CP Std-20-30	From 10/3/83; From Ser. No. 59209; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	87-85	WH729CP Std-20-30-40	Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	84	WH729CP Std-20-30-40	From 10/3/83; From Ser. No. 59209; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DurOshield® skirt coated piston	
	8	Pin Bushing	87-83	3814Y20		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-84	E-447K Std-20-30-40	Check piston grooving before supplying ring set; 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring	
	1	Premium Set	83	E-447K Std-20-30-40	From Ser. No. 59209; Check piston grooving before supplying ring set; 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring	
	8	Premium Single Cylinder Set	87-84	WE-447K Std-20-30-40	Check piston grooving before supplying ring set; 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring	
	8	Premium Single Cylinder Set	83	WE-447K Std-20-30-40	From Ser. No. 59209; Check piston grooving before supplying ring set; 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-83	5110M Std-1-2-10-20-30	w/.010" O/S length flange brg.	
	1	Main Set	87-83	7219M10 10-20-30		
	1	Rod Set	87-83	8-3810CP Std-10-20-30-40		
	8	Rod Pair	87-83	3810CP Std-1-10-20-30-40		
	1	Cam Set	87-83	1467M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	87-83	224-41999		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	87-83	260-1672	Int. manifold gskt. not incl.; Premium valve stem seals incl.		
1	Valley Pan Gasket Set	87-83	260-4029			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	87-83	381-8056	Incl. 7 centerless ground OD, stainless steel block plugs		
RE-RING KIT				PREMIUM	ECONOMY	
YEARS	DESCRIPTION		KIT NO.	KIT NO.		
87-83	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; 2nd ring gap is .060-.075" like O.E. ring		205-6004	-----		
	Re-ring		205-6004M	-----		
	Re-ring w/Mains					

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

43 6.9L 420 OHV Diesel V8 (IDI), 4" Bore (International Eng.) 1987-83

(cont.) L/D Truck VIN Code "1" 1983-87

K I T S	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	87-85	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring	Master		MKP-6004A	-----	
			Master w/o Pistons		MK-6004A	-----	
			Master w/o Rods & Mains		505-6004A	-----	
	84	From 10/3/83; From Ser. No. 59209; Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring	Master		MKP-6004A	-----	
			Master w/o Rods & Mains		505-6004A	-----	
	84	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring	Master w/o Pistons		MK-6004A	-----	
	83	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring	Master w/o Pistons		MK-6004A	-----	

44 7.0L 428 OHV V8, 4.13" Bore 1969-68

L/D Truck VIN Codes "Q" 1968-69, "R" 1968-69 (Cobra Jet & Super Cobra Jet)

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	69	KT3-494SA1	Incl. (1) 222-494, (1) 223-321, (1) 223-396	
	1	Timing Chain	69	222-494	48 Links	
	1	Crank Sprocket	69	223-321	18 Teeth	
	1	Cam Sprocket	69	223-396	Installation doesn't require spacer on cam nose. Older type Eng. used spacer to fit on cam nose through the ID of thrust plate. New types have the spacer cast into sprocket hub; 36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	69	CS-642		
	16	Lifter	69	HT-2083 Std Only	Hyd.	
	16	Lifter, Bulk	69	HT-2083B Std Only	Hyd.; Carton of 122	
	1	Prelube	69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69	KC-642	Hyd.; Incl. (1) CS-642, (16) HT-2083, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	69	RP-3172B	Ball & ball type ends; 9.5600" O.A.L.	
	16	Push Rod	69	RP-3172	Ball & ball type ends; 9.6210" O.A.L.	
	16	Push Rod	69	RP-3172A	Ball & ball type ends; 9.6800" O.A.L.	
	16	Push Rod	69	RP-3172C	9.59" O.A.L.; 9.5910" O.A.L.	
	16	Push Rod, Bulk	69	BRP-3172B	Ball & ball type ends; Carton of 100; 9.5600" O.A.L.	
	16	Push Rod, Bulk	69	BRP-3172	Ball & ball type ends; Carton of 100; 9.6210" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm	69	R-821	Adj.	
	16	Arm	69	R-814	Non-Adj.	
	2	Rocker Shaft	69	RS-621		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	69	V-1875 Std Only	Chrome plated stem; 1.6520" Head Dia., .3705" Stem Dia., 5.4260" O.A.L.	
	8	Intake	69	V-1876 Std Only	Chrome plated stem; 2.0870" Head Dia., .3710" Stem Dia., 5.4470" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	69	VS-717	Incl. damper; 2.0260" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	69	ST-2002	Installation requires valve guide machining; Polyacrylate	
	16	Valve Stem Seal	69	MV-1775C	Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	69	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	16	Valve Stem Seal Bulk	69	MV-1775	Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	69	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Exh.	69	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Int.	69	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	69	VK-138	1 groove; Square cut key groove	
	32	Keeper	69	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	69	VK-138B	1 groove; Square cut key groove; Carton of 1000	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

7.0L 428 OHV V8, 4.13" Bore 1969-68 44						
L/D Truck VIN Codes "Q" 1968-69, "R" 1968-69 (Cobra Jet & Super Cobra Jet) (cont.)						
BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
	16	Spring Insert	69	259-306B	.030"; Carton of 100	
	16	Spring Insert	69	259-306A	.060"; Carton of 100	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	69	354P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.	
	8	Cast Piston - Individual	69	W354P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.665" CD, .9753" Pin Dia., Recessed Head .120" deep - 10.2:1 C.R.	
	8	Pin Bushing	69	2304V	Split type bushing	
	8	Pin Bushing	69	2304V20	Split type bushing; w/.020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	69	E-261K Std-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	69	E-261X Std-30-40	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	69	WE-261K Std-30-40	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	69	4261M Std-1-10-20-30-40-50-60	3.824" max. flange OD	
	1	Rod Set	69	8-3230CP Std-1-10-20-30-40-50	Squirt hole removed from all Ford V Engs.; 8-3230CA 60 avail. as unplated & resizeable	
	1	Rod Set	69	8-3230CP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Squirt hole removed from all Ford V Engs.	
	1	Rod Set	69	8-3230CA60 60	Unplated & resizeable; Squirt hole removed from all Ford V Engs.	
	8	Rod Pair	69	3230CP Std-1-2-10-20-30-40-50	Squirt hole removed from all Ford V Engs.	
	1	Cam Set	69	1445M Std Only		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-68	260-1035	Exh. pipe flange not incl.; Exh. heat shields not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-68	381-8017		
	1	Steel Block Plug Kit	69-68	381-4015		
RE-RING KIT					PREMIUM	ECONOMY
YEARS	DESCRIPTION				KIT NO.	KIT NO.
69	Exh. pipe flange not incl.; Exh. heat shields not incl.; Squirt hole removed from all Ford V Engs.		Re-ring		205-672	205-172
7.0L 429 OHV V8, 4.36" Bore 1973-70 45						
L/D Truck VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "N" 1970-73, "P" 1971-72 (Police), "R" 1971						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	73-70	KT3-491SA	Incl. (1) 222-491, (1) 223-420A, (1) 223-493	
	1	Timing Chain	73-70	222-491	52 Links	
	1	Crank Sprocket	73-70	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth	
	1	Cam Sprocket	73-70	223-420A	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	73-70	CS-648	Hyd.	
	16	Lifter	73-70	HT-900 Std Only	Hyd.; Carton of 122	
	16	Lifter, Bulk	73-70	HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	73-70	55-400		
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	73-72	KC-648	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B	
	1	Cam/Lifter Kit	71	KC-648	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B	
	1	Cam/Lifter Kit	70	KC-648	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	73	V-1984 Std-15	Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.	
	8	Exhaust	72-70	V-1849 Std Only	Chrome plated stem; 1.6540" Head Dia., .3420" Stem Dia., 5.0830" O.A.L.	
	8	Exhaust, Bulk	73	V-1984B15 15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.	
	8	Intake	73	V-3929 Std-15	Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L.	
	8	Intake	72-70	V-1850 Std Only	Chrome plated stem; 2.0830" Head Dia., .3420" Stem Dia., 5.2880" O.A.L.	
	8	Intake, Bulk	73	V-3929B15 15	Chrome plated stem; Carton of 25; 2.0830" Head Dia., .3569" Stem Dia., 5.1980" O.A.L.	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

45 7.0L 429 OHV V8, 4.36" Bore 1973-70										
(cont.) L/D Truck VIN Codes "C" 1970-71 (Cobra Jet & Super Cobra Jet), "J" 1970-71 (Cobra Jet & Super Cobra Jet), "N" 1970-73, "P" 1971-72 (Police), "R" 1971										
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION					
	16	Guide	73-70	VG-5061	.3430" ID, 2.3800" O.A.L.					
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION					
	16	Spring	73-70	VS-661	Incl. damper; 2.0460" Free Height					
	16	Spring	73-70	VS-703	2.0560" Free Height					
16	Spring, Bulk	73-70	VS-703B	Carton of 250; 2.0560" Free Height						
VALVE SEAT	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION					
	8	Exh.	73-70	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth					
	8	Exh.	73-70	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth					
	8	Int.	73-70	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth					
	VALVE, MISC	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION				
16		Spring Insert	73-70	259-103C	.015"; ID 1.030"; Carton of 100					
16		Spring Insert	73-70	259-103B	.030"; ID 1.030"; Carton of 100					
16		Spring Insert	73-70	259-103BRS	.030"; ID 1.030"; Carton of 500					
16		Spring Insert	73-70	259-103A	.060"; ID 1.030"; Carton of 100					
16	Spring Insert	73-70	259-103ARS	.060"; ID 1.030"; Carton of 500						
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION					
					8	Cast Piston	73-70	413AP * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Oblong Recessed Head .120" deep - 8.0:1 C.R.	
					8	Cast Piston	73-70	413NP + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Oblong Recessed Head .120" deep - 8.0:1 C.R.; When depleted use 413AP	
					8	Cast Piston - Individual	73-70	W413AP30 * 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Recessed Head; Oblong shape .120" deep - 8.0:1 C.R.	
	8	Cast Piston - Individual	73-70	W413NP30 + 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.883" CD, 1.0402" Pin Dia., Recessed Head; Oblong shape .120" deep - 8.0:1 C.R.; When depleted use W413AP 30					
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION					
					1	Premium Set	73-70	E-897K Std-20-30-40-60	2-2.00MM, 1-4.00MM; w/Shallow oil ring groove	
					1	Premium Set	73-70	E-296K Std-20-30-40-60	2-5/64, 1-3/16	
					1	Standard Set	73-70	E-296X Std-20-30-40-60	2-5/64, 1-3/16	
					8	Premium Single Cylinder Set	73-70	WE-296K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	73-70	WE-296X Std-20-30-40-60	2-5/64, 1-3/16					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION					
					1	Main Set	73-70	4907M Std-1-10-20-30-40	Use in .002" O/S Rod Bore	
					1	Rod Set	73-70	8-3360CPA Std-1-10-20-30-40		
					1	Rod Set	73-70	8-3360CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore	
					8	Rod Pair	73-70	3360CPA Std-1-10-20-30-40	Babbitt material; Full round design	
	1	Cam Set	73-70	1414M Std Only						
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION					
					1	Oil Pump	73-70	224-41139V	High Volume, check pan for clearance; Incl. 224-14160 screen	
1					Oil Pump	73-70	224-41139	Use w/224-12139		
1					Pump Repair Kit	73-70	224-51139	Bolt-on type screen		
1					Inter. Shaft	73-70	224-61127			
1					Screen Assy.	73-70	224-14160			
1	Screen Assy.	73-70	224-12139	Press-in type screen						
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION						
				1	Kit Gasket Set	73-70	260-1013	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION						
				1	Brass Block Plug Kit	73-70	381-8018			
1	Steel Block Plug Kit	73-70	381-4021							
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.				
	YEARS	DESCRIPTION								
	73-70	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.		Re-ring	205-637	205-137				
				Re-ring w/Mains	205-637M	205-137M				
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.				
	YEARS	DESCRIPTION								
	73-70	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.		Master	MKP-637A	MKP-137A				
				Master w/o Rods & Mains	505-637A	505-137A				
	73-70	Exh. pipe packing not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.		Master w/o Pistons	MK-637D	MK-137D				

Ford Truck (Includes Minivans and SUV's)

7.3L 444 OHV Diesel V8 (IDI), 4.1102" Bore (International Eng.) 1990-88 46
L/D Truck VIN Code "M" 1988-95

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Gear Set	90-88	221-3342S	Incl. (1) 221-3342S
1	Cam Gear	90-88	221-3342	106 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-88	CS-771	
16	Lifter	90-88	HT-2104 Std Only	Hyd. rlr.
16	Lifter, Bulk	90-88	HT-2104B Std Only	Hyd. rlr.; Carton of 113
1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-88	KC-771	Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-88	KCT-771	Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 221-3342S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-88	RP-3237	Install w/copper colored ball toward rocker arm; 9.9890" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	90-88	R-1119	Incl. 2-arms, 2-pivots & 1-retainer
16	Arm	90-88	R-949	Incl. 1-rocker arm
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90-88	V-2302 Std Only	Chrome plated stem; 1.5950" Head Dia., .3719" Stem Dia., 5.6700" O.A.L.
8	Intake	90-88	V-2303 Std Only	Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90-88	VG-1414	.3745" ID, 2.6000" O.A.L.
16	Guide	90-88	VG-804	Repair Guide; .3750" ID, 2.6000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-88	VS-693	Incl. damper; 2.0500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-88	MV-1796C	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
8	Valve Stem Seal Bulk	90-88	MV-1796	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-88	VK-138	1 groove; Square cut key groove
32	Keeper	90-88	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	90-88	VK-138B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-89	2771PN Std-20-40	Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.939" CD, 1.1100" Pin Dia., Ricardo Cup; Same as FP-1816674 Exc. De-Stroke .010"
8	Cast Piston	90-89	2745PN40 40	Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.949" CD, 1.1100" Pin Dia., Ricardo Cup; Repl. O.E. Nos. 1813154C1, E9TZ-6102A
8	Cast Piston	90-89	H651CP Std-20-30-40	Use w/E-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston
8	Cast Piston	88	H651CP Std-20-30-40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/E-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston
8	Cast Piston	88	2745PN40 40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.949" CD, 1.1100" Pin Dia., Ricardo Cup; Repl. O.E. Nos. 1813154C1, E9TZ-6102A
8	Cast Piston	88	2771PN Std-20-40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.939" CD, 1.1100" Pin Dia., Ricardo Cup; Same as FP-1816674 Exc. De-Stroke .010"
8	Cast Piston - Individual	90-89	WH651CP Std-20-30-40	Use w/E-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

46 7.3L 444 OHV Diesel V8 (IDI), 4.1102" Bore (International Eng.) 1990-88

(cont.) L/D Truck VIN Code "M" 1988-95

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	88	WH651CP Std-20-30-40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/WE-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston	
	8	Pin Bushing	90-88	3814Y20		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-88	E-509K Std-20-30-40	Check piston grooving before supplying ring set; From Ser. No. 598754; 1-.118, 1-.078, 1-.136; 2nd ring gap is .060-.075" like O.E. ring	
	8	Premium Single Cylinder Set	90-88	WE-509K Std-20-30-40	Check piston grooving before supplying ring set; From Ser. No. 598754; 1-.118, 1-.078, 1-.136; 2nd ring gap is .060-.075" like O.E. ring	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-88	5110M Std-1-2-10-20-30		
	1	Main Set	90-88	7219M10 10-20-30	w/.010" O/S length flange brg.	
	1	Rod Set	90-88	8-3810CP Std-10-20-30-40		
8	Rod Pair	90-88	3810CP Std-1-10-20-30-40			
1	Cam Set	90-88	1467M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90-88	224-41999			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-88	260-1673	Int. manifold gskt. not incl.; Premium valve stem seals incl.		
1	Valley Pan Gasket Set	90-88	260-4029			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-88	381-8056	Incl. 7 centerless ground OD, stainless steel block plugs		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-88	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; 2nd ring gap is .060-.075" like O.E. ring	Re-ring		205-6091	-----
			Re-ring w/Mains		205-6091M	-----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-89	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Block		BK-6178	-----
	90-89	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs	Block w/Pump & Freeze Plugs		BKP-6178	-----
	90-88	Int. manifold gskt. not incl.; Check piston grooving before supplying kit; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring	Master		MKP-6091A	-----
			Master w/o Pistons		MK-6091A	-----
		Master w/o Rods & Mains		505-6091A	-----	
88	From Ser. No. 598754; Piston replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Block		BK-6178	-----	
88	From Ser. No. 598754; Piston replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs	Block w/Pump & Freeze Plugs		BKP-6178	-----	

47 7.5L 460 OHV V8, 4.36" Bore 1990-73

L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-88	KT3-168SA2	Incl. (1) 222-168, (1) 223-438, (1) 223-685
1	3 Piece Set	87-77	KT3-491S	Incl. (1) 222-491, (1) 223-420A, (1) 223-421
1	3 Piece Set	76-73	KT3-491S	Incl. (1) 222-491, (1) 223-420A, (1) 223-421
1	Timing Chain	90-88	222-168	Double rlr.; 66 Links
1	Timing Chain	87-77	222-491	52 Links
1	Timing Chain	76-74	222-491	52 Links
1	Timing Chain	73	222-491	52 Links
1	Crank Sprocket	90-88	223-685	22 Teeth
1	Crank Sprocket	87-77	223-421	18 Teeth
1	Crank Sprocket	76-74	223-421	18 Teeth
1	Crank Sprocket	73	223-493	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crankshaft sprocket 223-493; 18 Teeth
1	Cam Sprocket	90-88	223-438	44 Teeth
1	Cam Sprocket	87-73	223-420A	36 Teeth

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

7.5L 460 OHV V8, 4.36" Bore 1990-73 **47**

L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87 (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-73	CS-648	
	16	Lifter	90-73	HT-900 Std Only	Hyd.
	16	Lifter	90-73	HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk	90-73	HT-900B Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk	90-73	HT-900RB Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.; Carton of 122
	1	Prelube	90-73	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-73	KC-648	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-88	KCT-648C	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) KT3-168SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-73	KCT-648	Hyd.; Incl. (1) CS-648, (16) HT-900, (1) KT3-491S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90	RP-3288	8.5920" O.A.L.
	16	Push Rod	89-73	RP-3160	8.5500" O.A.L.
	16	Push Rod	89-73	RP-3252	8.6160" O.A.L.
	16	Push Rod, Bulk	90	BRP-3288	Carton of 100; 8.5920" O.A.L.
	16	Push Rod, Bulk	89-73	BRP-3160	Carton of 100; 8.5500" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-73	R-855	Incl. arm & pivot
	16	Arm Assy., Bulk	90-73	R-855B	Incl. arm & pivot; Carton of 64
	16	Arm	90-73	R-855A	
	16	Bolt	90-73	MR-1951	5/16" X 18 UNC w/o washer
	16	Pivot	90-73	MR-1811	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-87	V-4371X Std-15	Chrome plated stem; 1.6540" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
	8	Exhaust	86-73	V-1984 Std-15	Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L.
	8	Exhaust, Bulk	90-87	V-4371XB15 15	Chrome plated stem; Carton of 25; 1.6540" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
	8	Exhaust, Bulk	86-73	V-1984B15 15	Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L.
	8	Intake	90-87	V-2452 Std Only	Chrome plated stem; 1.9770" Head Dia., .3419" Stem Dia., 5.1799" O.A.L.
	8	Intake	86-73	V-3929 Std-15	Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L.
	8	Intake, Bulk	86-73	V-3929B15 15	Chrome plated stem; Carton of 25; 2.0830" Head Dia., .3569" Stem Dia., 5.1980" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	90-73	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.
	16	Guide	90-73	VG-5006T	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.
	16	Guide, Bulk	90-73	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.
	16	Guide, Bulk	90-73	VG-5006TB	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	90-89	VS-920	2.1140" Free Height
	16	Spring	90-77	VS-1455	Optional-H/D; 2.3000" Free Height
	16	Spring	88-73	VS-703	2.0560" Free Height
	16	Spring, Bulk	88-73	VS-703B	Carton of 250; 2.0560" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-73	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	90-73	MV-1796C	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal Bulk	90-73	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	90-73	MV-1796	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-88	245-1781-E1N Std Only	1.781" OD; 1.7810" OD, 1.4760" ID, .3110" Depth
	8	Exh.	90-73	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	90-73	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-73	VK-115	1 groove; Square cut key groove
	32	Keeper	90-73	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-73	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-73	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	90-73	259-103B	.030"; ID 1.030"; Carton of 100

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

47 7.5L 460 OHV V8, 4.36" Bore 1990-73

(cont.) L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Spring Insert	90-73	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	90-73	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	90-73	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90-88	H582CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .065" deep - 8.9:1 C.R. DurOshield® skirt coated piston.
	8	Cast Piston	90-88	H582P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .065" deep - 8.9:1 C.R.
	8	Cast Piston	87-73	H418CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston	87-73	H418P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	8	Cast Piston - Individual	90-88	WH582P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .065" deep - 8.9:1 C.R.
	8	Cast Piston - Individual	90-88	WH582CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Recessed Head .065" deep oblong dish - 8.9:1 C.R. DurOshield® skirt coated piston.
	8	Cast Piston - Individual	87-73	WH418CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston - Individual	87-73	WH418P Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-88	8KH582CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .065" deep - 8.9:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	87-73	8KH418CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	87-73	8KH418P20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	1	Cast Piston Set w/Econ. Rings	90-88	8XH582P40 40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .065" deep - 8.9:1 C.R.
	1	Cast Piston Set w/Econ. Rings	87-73	8XH418P20 20-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, 1.0402" Pin Dia., Oblong Recessed Head .240" deep - 8.0:1 C.R.
	8	Powerforged	87-73	L-2404F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.756" CD, 1.0402" Pin Dia., Recessed Head .180" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	87-73	WL-2404F Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.756" CD, 1.0402" Pin Dia., Recessed Head .180" deep. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-73	E-296K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	90-73	E-296X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-73	WE-296K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-73	4907M Std-1-10-20-30-40	
	1	Rod Set	90-73	8-3360CPA Std-1-10-20-30-40	
	1	Rod Set	90-73	8-3360CPA10X2 10X2-20X2	Use in .002" O/S Rod Bore
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-89	224-41144	F53 stripped chassis
	1	Oil Pump	90-79	224-41144V	E250, E300, E350, F250, F300, F350; High Volume, check pan for clearance
	1	Oil Pump	90-79	224-41144	E250, E300, E350, F250, F300, F350, F450
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	78-75	224-41144	E250, E300, E350
	1	Oil Pump	78-75	224-41144V	E250, E300, E350; High Volume, check pan for clearance
	1	Oil Pump	78-75	224-41139V	F100, F150, F200, F250, F300, F350; High Volume, check pan for clearance; Incl. 224-14160 screen
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	78-75	224-41139	F100, F150, F200, F250, F300, F350; Use w/224-12139
	1	Oil Pump	74-73	224-41139V	F100, F200, F250, F300, F350; High Volume, check pan for clearance; Incl. 224-14160 screen
	1	Oil Pump	74-73	224-41139	F100, F200, F250, F300, F350; Use w/224-12139
BLOCK	QTY	PUMP REPAIR KIT	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	90-73	224-51139	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

7.5L 460 OHV V8, 4.36" Bore 1990-73 47

L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87 (cont.)

B L O C K	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Inter. Shaft	90-73	224-61127		
	1	Screen Assy.	90-79	224-14257		
	1	Screen Assy.	90-79	224-14160	Use w/high volume oil pump; Bolt-on type screen	
	1	Screen Assy.	78-75	224-12139	F100, F150, F200, F250, F300, F350; Press-in type screen	
	1	Screen Assy.	78-73	224-14160	F250, F300, F350; Use w/224-41139V; Bolt-on type screen	
	1	Screen Assy.	78-73	224-14273	F250, F350	
	1	Screen Assy.	74-73	224-12139	F100, F200, F250, F300, F350; Press-in type screen	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1453	E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90	260-1453	F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1453	From 3/31/89; E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1453	From 3/31/89; F53 stripped chassis; Motor Home int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1452	To 3/30/89; E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1452	To 3/30/89; F53 stripped chassis; Int. manifold gskt. not incl.; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88	260-1452	E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88	260-1452	F53 stripped chassis; Int. manifold gskt. not incl.; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87	260-1223	Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1223	From 2/21/86; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1177	To 2/20/86; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1013	E250, E300, E350, F250, F300, F350; From 3/12/85 to 6/28/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1013	E250, E300, E350, F250, F300, F350; To 3/11/85; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1177	From 6/29/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	84-75	260-1013	W/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	74	260-1013	From Ser. No. T20,001; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	74	260-1013	To Ser. No. T20,000; Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	73	260-1013	Exh. heat shields not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	90-89	260-4005	F53 stripped chassis	
	1	Valley Pan Gasket Set	87-75	260-4005	Exc. LPG Engs.	
	1	Valley Pan Gasket Set	87-75	260-4031	LPG Engs.	
	1	Valley Pan Gasket Set	74	260-4005	From Ser. No. T20,001; Exc. LPG Engs.	
	1	Valley Pan Gasket Set	74	260-4031	From Ser. No. T20,001; LPG Engs.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-73	381-8018		
	1	Steel Block Plug Kit	90-73	381-4021		
RE-RING KIT YEARS DESCRIPTION 90 E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.						
					Re-ring	PREMIUM KIT NO. 205-6124
					Re-ring w/Mains	ECONOMY KIT NO. 205-1124
						205-6124M 205-1124M

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

47 7.5L 460 OHV V8, 4.36" Bore 1990-73

(cont.) L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87

K I T S	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90	F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6124 205-6124M	205-1124 205-1124M	
	89	To 3/30/89; E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6123 205-6123M	205-1123 205-1123M	
	89	To 3/30/89; F53 stripped chassis; Int. manifold gskt. not incl.; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6123 205-6123M	205-1123 205-1123M	
	89	From 3/31/89; E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6124 205-6124M	205-1124 205-1124M	
	89	From 3/31/89; F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6124 205-6124M	205-1124 205-1124M	
	88	E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6123 205-6123M	205-1123 205-1123M	
	88	F53 stripped chassis; Int. manifold gskt. not incl.; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6123 205-6123M	205-1123 205-1123M	
	87	Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6003 205-6003M	205-1003 205-1003M	
	86	From 2/21/86; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-6003 205-6003M	205-1003 205-1003M	
	86	To 2/20/86; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-768 205-768M	205-268 205-268M	
	85	E250, E300, E350, F250, F300, F350; From 3/12/85 to 6/28/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	85	E250, E300, E350, F250, F300, F350; To 3/11/85; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	85	From 6/29/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-768 205-768M	205-268 205-268M	
	84-77	w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	76-75	w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	74	From Ser. No. T20,001; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	74	To Ser. No. T20,000; Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	73	Exh. heat shields not incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains 205-637 205-637M	205-137 205-137M	
	OVERHAUL KIT		PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION			
	90	E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains MKP-6124A MK-6124A 505-6124A	MKP-1124A MK-1124A 505-1124A	
	90	F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains MKP-6124A MK-6124A 505-6124A	MKP-1124A MK-1124A 505-1124A	

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

7.5L 460 OHV V8, 4.36" Bore 1990-73 **47**

L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87 (cont.)

L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87 (cont.)			7.5L 460 OHV V8, 4.36" Bore 1990-73 47	
OVERHAUL KIT (cont.)			PREMIUM	ECONOMY
YEARS	DESCRIPTION		KIT NO.	KIT NO.
90	E250, E300, E350, F250, F300, F350, F450; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block	BKP-6173 BK-6173	----- -----
90	F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block	BKP-6173 BK-6173	----- -----
89	To 3/30/89; E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6123A MK-6123A 505-6123A	MKP-1123A MK-1123A 505-1123A
89	To 3/30/89; F53 stripped chassis; Int. manifold gskt. not incl.; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6123A MK-6123A 505-6123A	MKP-1123A MK-1123A 505-1123A
89	From 3/31/89; E250, E300, E350, F250, F300, F350; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6124A MK-6124A 505-6124A	MKP-1124A MK-1124A 505-1124A
89	From 3/31/89; F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6124A MK-6124A 505-6124A	MKP-1124A MK-1124A 505-1124A
89	From 3/31/89; E250, E300, E350, F250, F300, F350, F450; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block	BKP-6173 BK-6173	----- -----
89	From 3/31/89; F53 stripped chassis; Int. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskts. & one-piece molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block	BKP-6173 BK-6173	----- -----
88	E250, E300, E350, F250, F300, F350; Multi-piece oil pan gskt. incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-6123A MK-6123A 505-6123A	MKP-1123A MK-1123A 505-1123A
87	E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-6003A MKP-6003A MK-6003A 505-6003A	----- MKP-1003A MK-1003A 505-1003A
86	From 2/21/86; E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-6003A MKP-6003A MK-6003A 505-6003A	----- MKP-1003A MK-1003A 505-1003A
86	To 2/20/86; E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Freeze plugs not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-268A
86	To 2/20/86; E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-768A MKP-768A MK-768A 505-768A	----- MKP-268A MK-268A -----
85	E250, E300, E350, F250, F300, F350; From 3/12/85 to 6/28/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-637F MKP-637F MK-637F 505-637F	----- MKP-137F MK-137F -----
85	E250, E300, E350, F250, F300, F350; To 3/11/85; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-637F MKP-637F MK-637F 505-637F	----- MKP-137F MK-137F -----
85	E250, E300, E350, F250, F300, F350; From 3/12/85 to 6/28/85; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-267A
85	E250, E300, E350, F250, F300, F350; To 3/11/85; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-267A

(continued on next page)

Ford Truck (Includes Minivans and SUV's)

47 7.5L 460 OHV V8, 4.36" Bore 1990-73

(cont.) L/D Truck VIN Codes "A" 1973-79, "G" 1987-98, "J" 1973-79, "L" 1980-87

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	85	From 6/29/85; E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Freeze plugs not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-268A
	85	From 6/29/85; E250, E300, E350, F250, F300, F350, F450; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-768A MKP-768A MK-768A 505-768A	----- MKP-268A MK-268A -----
	84-80	E250, E300, E350, F250, F300, F350, F450; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-637F MKP-637F MK-637F 505-637F	----- MKP-137F MK-137F -----
	84-80	E250, E300, E350, F250, F300, F350, F450; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-267A
	79	E250, E300, E350, F250, F300, F350, F450; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-637F MKP-637F MK-637F 505-637F	----- MKP-137F MK-137F -----
	79	E250, E300, E350, F250, F300, F350, F450; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-267A
	78-77	F100, F150, F200, F250, F300, F350; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E
	78-75	E250, E300, E350; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons Master w/o Rods & Mains	MKF-637F MKP-637F MK-637F 505-637F	----- MKP-137F MK-137F -----
	78-75	E250, E300, E350; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	-----	505-267A
	76-75	F100, F150, F200, F250, F300, F350; w/Original type timing cover; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E
	74	F100, F200, F250, F300, F350; From Ser. No. T20,001; Int. manifold gskt. not incl.; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E
	74	F100, F200, F250, F300, F350; To Ser. No. T20,000; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E
	73	F100, F200, F250, F300, F350; Exh. heat shields not incl.; Premium valve stem seals incl.; Oil pump screen not incl.	Master Master w/o Pistons Master w/o Rods & Mains	MKP-637E MK-637E 505-637E	MKP-137E MK-137E 505-137E

Geo - See GM Car

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.0L 61 (993cc) SOHC L3 74mm Bore (6 Valve) (Suzuki Eng.)	1990-85	1	4.1L 250 OHV L6 3.875" Bore (Chevrolet)	1979-65	51
1.0L 61 (993cc) SOHC Turbo L3 74mm Bore (6 Valve) (Suzuki Eng.)	1990-87	2	4.1L 250 SOHC L6 3.875" Bore (Pontiac)	1969-68	52
1.4L 85 (1393cc) SOHC L4 82mm Bore (Chevrolet)	1977-76	3	4.1L 252 OHV V6 3.965" Bore (Buick)	1985-80	53
1.5L 89.7 (1471cc) SOHC L4 77mm Bore (8 Valve) (Isuzu Eng.)	1989-85	4	4.3L 260 OHV V8 3.5" Bore (Oldsmobile)	1982-75	54
1.5L 89.7 (1471cc) SOHC Turbo L4 77mm Bore (8 Valve) (Isuzu Eng.)	1989-87	5	4.3L 260 OHV Diesel V8 3.5" Bore (Oldsmobile)	1979	55
1.6L 96.8 (1587cc) SOHC L4 81mm Bore (8 Valve) (Toyota Eng.)	1988-85	6	4.3L 261 OHV L6 3.75" Bore (Chevrolet)	1962-55	56
1.6L 96.8 (1587cc) DOHC L4 81mm Bore (16 Valve) (Toyota Eng.)	1990-88	7	4.3L 262 OHV V8 3.671" Bore (Chevrolet)	1976-75	57
1.6L 96.9 (1588cc) DOHC L4 80mm Bore (16 Valve) (Isuzu Eng.)	1990	8	4.3L 262 OHV V6 4" Bore (Chevrolet)	1990-85	58
1.6L 96.9 (1588cc) SOHC L4 80mm Bore (12 Valve) (Isuzu Eng.)	1990	9	4.3L 262 OHV Diesel V6 4.057" Bore (Oldsmobile)	1985-82	59
1.6L 97.5 (1598cc) SOHC L4 79mm Bore (8 Valve) (Opel Eng.)	1990-88	10	4.3L 263 OHV L8 3.1875" Bore (Buick)	1953-50	60
1.6L 98 (1599cc) SOHC L4 82mm Bore (Chevrolet)	1987-76	11	4.3L 264 OHV V8 3.625" Bore (Buick)	1955-54	61
1.8L 109.5 (1796cc) SOHC L4 84.8mm Bore (8 Valve) (Opel Eng.)	1986-82	12	4.3L 265 OHV V8 3.75" Bore (Pontiac)	1981-80	62
1.8L 109.5 (1796cc) SOHC Turbo L4 84.8mm Bore (8 Valve) (Opel Eng.)	1986-84	13	4.3L 265 OHV V8 3.75" Bore (Chevrolet)	1957-55	63
1.8L 110.8 (1817cc) SOHC Diesel L4 84mm Bore (8 Valve) (Isuzu Eng.)	1986-81	14	4.4L 267 OHV V8 3.5" Bore (Chevrolet)	1982-79	64
1.8L 112 (1835cc) OHV L4 89mm Bore (Chevrolet)	1982	15	4.5L 273 (4474cc) OHV V8 92mm Bore (Cadillac)	1990-88	65
2.0L 121 (1989cc) OHV L4 89mm Bore (Chevrolet)	1989-83	16	4.6L 283 OHV V8 3.875" Bore (Chevrolet)	1967-57	66
2.0L 122 (1998cc) SOHC L4 86mm Bore (8 Valve) (Opel Eng.)	1990-87	17	4.7L 287.2 OHV V8 3.75" Bore (Pontiac)	1955	67
2.0L 122 (1998cc) SOHC Turbo L4 86mm Bore (8 Valve) (Opel Eng.)	1990-87	18	4.9L 300 OHV V8 3.75" Bore (Buick)	1967-64	68
2.0L 122 (1999cc) DOHC L4 89mm Bore (Cosworth)	1976-75	19	4.9L 301 OHV V8 4" Bore (Pontiac)	1981-77	69
2.2L 134 (2189cc) OHV L4 89mm Bore (Chevrolet)	1990	20	4.9L 301 OHV Turbo V8 4" Bore (Pontiac)	1981-80	70
2.3L 138 (2260cc) DOHC L4 92mm Bore (16 Valve/Olds.)	1990-87	21	4.9L 302 OHV V8 4" Bore (Chevrolet)	1969-67	71
2.3L 140 OHV H6 3.375" Bore (Corvair)	1960	22	5.0L 303 OHV V8 3.75" Bore (Oldsmobile)	1953-49	72
2.3L 140 SOHC L4 3.5" Bore (Chevrolet)	1977-71	23	5.0L 305 OHV V8 3.736" Bore (Chevrolet)	1990-76	73
2.4L 145 OHV H6 3.4375" Bore (Corvair)	1963-61	24	5.0L 307 OHV V8 3.8" Bore (Oldsmobile)	1990-80	74
2.4L 145 OHV Turbo H6 3.4375" Bore (Corvair)	1963	25	5.0L 307 OHV V8 3.875" Bore (Chevrolet)	1973-68	75
2.5L 151 OHV L4 4" Bore (Pontiac)	1990-77	26	5.2L 316 OHV V8 3.9375" Bore (Pontiac)	1956	76
2.5L 153 OHV L4 3.875" Bore (Chevrolet)	1970-62	27	5.3L 322 OHV V8 4" Bore (Buick)	1956-53	77
2.7L 164 OHV H6 3.4375" Bore (Corvair)	1969-64	28	5.3L 324 OHV V8 3.875" Bore (Oldsmobile)	1956-54	78
2.8L 173 (2835cc) OHV V6 89mm Bore (Chevrolet)	1989-80	29	5.3L 326 OHV V8 3.7188" Bore (Pontiac)	1967-63	79
3.0L 181 OHV V6 3.8" Bore (Buick)	1988-82	30	5.3L 327 OHV V8 4" Bore (Chevrolet)	1969-62	80
3.1L 189 (3136cc) OHV V6 89mm Bore (Chevrolet)	1990-88	31	5.4L 330 OHV V8 3.9375" Bore (Oldsmobile)	1967-64	81
3.1L 189 (3136cc) OHV Turbo V6 89mm Bore (Chevrolet)	1990-89	32	5.4L 331 OHV V8 3.8125" Bore (Cadillac)	1955-49	82
3.2L 194 OHV L6 3.5625" Bore (Chevrolet)	1967-62	33	5.6L 340 OHV V8 3.75" Bore (Buick)	1967-66	83
3.2L 195 OHV L4 4.0625" Bore (Pontiac)	1963-61	34	5.7L 347 OHV V8 3.9375" Bore (Pontiac)	1957	84
3.2L 196 OHV V6 3.5" Bore (Buick)	1979-78	35	5.7L 348 OHV V8 4.125" Bore (Chevrolet)	1961-58	85
3.2L 198 OHV V6 3.625" Bore (Buick)	1963-62	36	5.7L 350 OHV V8 3.8" Bore (Buick)	1981-68	86
3.3L 200 OHV V6 3.5" Bore (Chevrolet)	1979-78	37	5.7L 350 OHV V8 3.875" Bore (Pontiac)	1977-68	87
3.3L 204 OHV V6 3.7" Bore (Buick)	1990-89	38	5.7L 350 OHV V8 4" Bore (Chevrolet)	1990-67	88
3.5L 215 OHV V8 3.5" Bore (Buick)	1963-61	39	5.7L 350 DOHC V8 4" Bore (32 Valve) (Mercury Marine Eng.)	1990	89
3.5L 215 OHV Turbo V8 3.5001" Bore (Oldsmobile)	1963-62	40	5.7L 350 OHV Diesel V8 4.057" Bore (Oldsmobile)	1985-78	90
3.5L 215 OHV L6 3.75" Bore (Pontiac)	1965-64	41	5.7L 350 OHV V8 4.057" Bore (Oldsmobile)	1980-68	91
3.5L 216.5 OHV L6 3.5" Bore (Chevrolet)	1952-37	42	6.0L 364 OHV V8 4.125" Bore (Buick)	1961-57	92
3.7L 225 OHV V6 3.75" Bore (Buick)	1967-64	43	6.0L 365 OHV V8 4" Bore (Cadillac)	1958-56	93
3.8L 229 OHV V6 3.736" Bore (Chevrolet)	1984-80	44	6.0L 368 OHV V8 3.8" Bore (Cadillac)	1984-80	94
3.8L 230 OHV L6 3.875" Bore (Chevrolet)	1970-63	45	6.1L 370 OHV V8 4.0625" Bore (Pontiac)	1958-57	95
3.8L 230 SOHC L6 3.875" Bore (Pontiac)	1967-66	46	6.1L 371 OHV V8 4" Bore (Oldsmobile)	1960-57	96
3.8L 231 OHV V6 3.8" Bore (Buick)	1990-75	47	6.4L 389 OHV V8 4.0625" Bore (Pontiac)	1966-59	97
3.8L 231 OHV Turbo V6 3.8" Bore (Buick)	1989-78	48	6.4L 390 OHV V8 4" Bore (Cadillac)	1963-59	98
3.8L 235 OHV L6 3.5625" Bore (Chevrolet)	1962-53	49	6.5L 394 OHV V8 4.125" Bore (Oldsmobile)	1964-59	99
4.1L 250 (4097cc) OHV V8 88mm Bore (Cadillac)	1988-82	50	6.5L 396 OHV V8 4.0938" Bore (Chevrolet)	1969-65	100
			6.6L 400 OHV V8 4" Bore (Oldsmobile)	1967-65	101
			6.6L 400 OHV V8 3.87" Bore (Oldsmobile)	1969-68	102
			6.6L 400 OHV V8 4.04" Bore (Buick)	1969-67	103
			6.6L 400 OHV V8 4.125" Bore (Chevrolet)	1976-70	104
			6.6L 400 OHV V8 4.125" Bore (Pontiac)	1979-67	105
			6.6L 400 OHV V8 4.1875" Bore (Buick)	1966-65	106
			6.6L 401 OHV V8 4.1875" Bore (Buick)	1966-59	107
			6.6L 402 OHV V8 4.125" Bore (Chevrolet)	1972-70	108
			6.6L 403 OHV V8 4.351" Bore (Oldsmobile)	1979-77	109
			6.7L 409 OHV V8 4.3125" Bore (Chevrolet)	1965-61	110
			6.9L 421 OHV V8 4.0938" Bore (Pontiac)	1966-61	111
			7.0L 425 OHV V8 4.082" Bore (Cadillac)	1979-77	112
			7.0L 425 OHV V8 4.125" Bore (Oldsmobile)	1967-65	113
			7.0L 425 OHV V8 4.3125" Bore (Buick)	1966-63	114
			7.0L 427 OHV V8 4.25" Bore (Chevrolet)	1969-66	115
			7.0L 428 OHV V8 4.125" Bore (Pontiac)	1969-67	116
			7.0L 429 OHV V8 4.125" Bore (Cadillac)	1967-64	117
			7.0L 430 OHV V8 4.1875" Bore (Buick)	1969-67	118
			7.4L 454 OHV V8 4.25" Bore (Chevrolet)	1976-70	119
			7.5L 455 OHV V8 4.125" Bore (Oldsmobile)	1976-68	120
			7.5L 455 OHV V8 4.151" Bore (Pontiac)	1976-70	121
			7.5L 455 OHV V8 4.3125" Bore (Buick)	1976-70	122
			7.7L 472 OHV V8 4.3" Bore (Cadillac)	1974-68	123
			8.2L 500 OHV V8 4.3" Bore (Cadillac)	1976-70	124

GM Car

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
G10.....	1.0L 61 (993cc) SOHC L3 74mm Bore (6 Valve) (Suzuki Eng.).....	1	4FB1.....	1.8L 110.8 (1817cc) SOHC Diesel L4 84mm Bore (8 Valve) (Isuzu Eng.).....	14
G10-T.....	1.0L 61 (993cc) SOHC Turbo L3 74mm Bore (6 Valve) (Suzuki Eng.).....	2	4XC1.....	1.5L 89.7 (1471cc) SOHC L4 77mm Bore (8 Valve) (Isuzu Eng.).....	4
4AFE.....	1.6L 96.8 (1587cc) DOHC L4 81mm Bore (16 Valve) (Toyota Eng.).....	7	4XC1-T.....	1.5L 89.7 (1471cc) SOHC Turbo L4 77mm Bore (8 Valve) (Isuzu Eng.).....	5
4AGE.....	1.6L 96.8 (1587cc) DOHC L4 81mm Bore (16 Valve) (Toyota Eng.).....	7	4XE1V.....	1.6L 96.9 (1588cc) SOHC L4 80mm Bore (12 Valve) (Isuzu Eng.).....	9
4ALC.....	1.6L 96.8 (1587cc) SOHC L4 81mm Bore (8 Valve) (Toyota Eng.).....	6	4XE1W.....	1.6L 96.9 (1588cc) DOHC L4 80mm Bore (16 Valve) (Isuzu Eng.).....	8

1 1.0L 61 (993cc) SOHC L3 (6 Valve), 74mm Bore (Suzuki Eng.) 1990-85 VIN Codes "M" 1985, "5" 1985-88, "6" 1989-2001, Eng. Code "G10" 1985-2001

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-B166	
	1	Timing Belt	88-85	222-95	
	1	Timing Belt Tensioner	90-89	222-348BT	
	1	Timing Belt Tensioner	88-85	222-182BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-1576	Eng. Code "G10"
	6	Lifter	90-89	HT-2272 Std Only	Eng. Code "G10"; Hyd. bucket type lifter
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
BLOCK	3	Exhaust	90-89	V-4342 Std Only	Chrome plated stem; 1.1020" Head Dia., .2144" Stem Dia., 3.3110" O.A.L.
	3	Exhaust	88-85	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.
	3	Exhaust, Bulk	90-89	V-4342B Std Only	Chrome plated stem; Carton of 25; 1.1020" Head Dia., .2144" Stem Dia., 3.3110" O.A.L.
	3	Intake	90-89	V-4341 Std Only	Chrome plated stem; 1.3780" Head Dia., .2151" Stem Dia., 3.3130" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-89	VG-816	.2170" ID, 1.2600" O.A.L.
	6	Guide	88-85	VG-817	.2757" ID, 1.8950" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-89	ST-2120	Exh. & Int.; O.E. design; Positive type; Viton®
	6	Valve Stem Seal	88-85	ST-2119	Exh. & Int.; O.E. design; Positive type; Viton®
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	3	Exh.	90-89	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
	3	Int.	90-89	245-1500-77 Std Only	1.235" ID top taper; 1.5000" OD, 1.1750" ID, .2360" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	6	Keeper	90-89	VK-245	Exh. & Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	3	Cast Piston	90-89	13509P Std-.50MM	VIN Code "6"; Cast; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 23.7mm CD, 17.0mm Pin Dia., Recessed Head 2.00mm deep w/2 valve reliefs
	3	Cast Piston	88-85	12221P1.00MM 1.00MM	Cast; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 28.5mm CD, 17.0mm Pin Dia., Flat Head w/2 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-550KC Std Only	1-1.20MM, 1-2.80MM
BLOCK	1	Premium Set	90-85	E-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	3	Premium Single Cylinder Set	90-86	WE-550KC Std Only	1-1.20MM, 1-2.80MM
	3	Premium Single Cylinder Set	90-85	WE-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-85	6685M Std-.25-.50MM	
	1	Thrust Washer Set	90-85	1063AF Std Only	
	1	Rod Set	90-85	3-1140RA Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-85	224-43456	Without sensor
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Kit Gasket Set	90-89	260-1640	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88-85	260-1637	Premium valve stem seals incl.
	1	Head Bolt Set	90-89	260-2535	Replacement recommended
	1	Head Bolt Set	88-85	260-2523	Replacement recommended

(continued on next page)

1.0L 61 (993cc) SOHC L3 (6 Valve), 74mm Bore (Suzuki Eng.) 1990-85 1					
VIN Codes "M" 1985, "5" 1985-88, "6" 1989-2001, Eng. Code "G10" 1985-2001 (cont.)					
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	w/2 ring piston; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6348 205-6348M	----- -----
	90-89	w/3 ring piston; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6349 205-6349M	----- -----
	88-86	w/2 ring piston; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6346 205-6346M	----- -----
K I T S	88-85	w/3 ring piston; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6347 205-6347M	----- -----
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	VIN Code "6"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block	BK-6101	-----
1.0L 61 (993cc) SOHC Turbo L3 (6 Valve), 74mm Bore (Suzuki Eng.) 1990-87 2					
VIN Code "2" 1987-91, Eng. Code "G10-T" 1987-91					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-B166	
	1	Timing Belt	88-87	222-95	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	3	Exhaust	90-87	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.
	3	Intake	90-89	V-4341 Std Only	Chrome plated stem; 1.3780" Head Dia., .2151" Stem Dia., 3.3130" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-89	VG-816	.2170" ID, 1.2600" O.A.L.
	6	Guide	88-87	VG-817	.2757" ID, 1.8950" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-89	ST-2120	Exh. & Int.; O.E. design; Positive type; Viton®
B L O C K	6	Valve Stem Seal	88-87	ST-2119	Exh. & Int.; O.E. design; Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	3	Exh.	90-87	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
	3	Int.	90-87	245-1500-77 Std Only	1.235" ID top taper; 1.5000" OD, 1.1750" ID, .2360" Depth
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	3	Premium Single Cylinder Set	90-87	WE-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-87	6685M Std-.25-.50MM	
	1	Thrust Washer Set	90-87	1063AF Std Only	Position 3
B L O C K	1	Rod Set	90-87	3-1140RA Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-87	224-43456	Without sensor
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1640	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Head Bolt Set	90-89	260-2535	Replacement recommended
	1	Head Bolt Set	88-87	260-2523	Replacement recommended
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6349 205-6349M	----- -----
1.4L 85 (1393cc) SOHC L4 (Chevrolet), 82mm Bore 1977-76 3					
VIN Code "I" 1976-77					
K I T S	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	77-76	HT-2056 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	77-76	HT-2056B Std Only	Hyd. lash adj.; Carton of 128
K I T S	1	Prelube	77-76	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm, Bulk	77-76	R-871B	Carton of 64

(continued on next page)

GM Car

3 1.4L 85 (1393cc) SOHC L4 (Chevrolet), 82mm Bore 1977-76 (cont.) VIN Code "I" 1976-77						
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	4	Valve Stem Seal	77-76	ST-2043	Exh.; Positive type; Rubber	
	4	Valve Stem Seal	77-76	ST-2044	Int.; Positive type; Rubber	
	4	Valve Stem Seal Bulk	77-76	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	77-76	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth	
	4	Int.	77-76	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth	
	4	Int.	77-76	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	77-76	VK-216	1 groove	
	16	Keeper, Bulk	77-76	VK-216B	1 groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	77-76	E-359KC Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM	
	1	Standard Set	77-76	E-359X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	77-76	WE-359KC Std-.75-1.00MM	2-2.00MM, 1-4.00MM	
4	Standard Single Cylinder Set	77-76	WE-359X.75MM .75-1.00MM	2-2.00MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	77-76	5060M Std-.25-.50-.75MM			
1	Rod Set	77-76	4-3665P Std-.25-.50-.75-1.00MM			
4	Rod Pair	77-76	3665P Std-.25-.50-.75-1.00MM			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	77-76	224-4159			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	77-76	260-1021	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	77-76	381-8040			
RE-RING KIT				PREMIUM	ECONOMY	
YEARS		DESCRIPTION		KIT NO.	KIT NO.	
77-76		Premium valve stem seals incl. Re-ring		205-657	205-157	

4 1.5L 89.7 (1471cc) SOHC L4 (8 Valve), 77mm Bore (Isuzu Eng.) 1989-85 VIN Codes "K" 1985, "7" 1985-89, Eng. Code "4XC1" 1985-89						
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	89-88	222-B162	From 5/87	
	1	Timing Belt	87	222-B162		
	1	Timing Belt Tensioner	89-85	222-134BT		
	1	Crank Sprocket	89-85	223-641	23 Teeth	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	89-85	V-2336 Std Only	Chrome plated stem; 1.2200" Head Dia., .2740" Stem Dia., 4.1400" O.A.L.	
	4	Intake	89-85	V-2337 Std Only	Chrome plated stem; 1.4150" Head Dia., .2742" Stem Dia., 4.1400" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	89-85	VG-909	Exh.; .2762" ID, 1.9700" O.A.L.	
	4	Guide	89-85	VG-916	Int.; .2762" ID, 1.6950" O.A.L.	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	89-85	VK-247		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	89-85	WE-546KC Std Only	1-1.50MM, 1-2.80MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	89-85	6686MA Std-.25-.50MM	A-Series aluminum bearings		
1	Thrust Washer Set	89-85	1064AF Std Only	Position 3		
1	Rod Set	89-85	4-1145CP Std-.25-.50MM			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	88-85	381-8095			

5 1.5L 89.7 (1471cc) SOHC Turbo L4 (8 Valve), 77mm Bore (Isuzu Eng.) 1989-87 VIN Code "9" 1987-89, Eng. Code "4XC1-T" 1987-89						
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	88	222-B162	From 5/87	
	1	Timing Belt	87	222-B162		
	1	Timing Belt Tensioner	88-87	222-134BT		
	1	Crank Sprocket	88-87	223-641	23 Teeth	

(continued on next page)

1.5L 89.7 (1471cc) SOHC Turbo L4 (8 Valve), 77mm Bore (Isuzu Eng.) 1989-87 5							
VIN Code "9" 1987-89, Eng. Code "4XC1-T" 1987-89 (cont.)							
BLOCK	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	4	Intake	89-87	V-2337 Std Only	Chrome plated stem; 1.4150" Head Dia., .2742" Stem Dia., 4.1400" O.A.L.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	4 4	Guide Guide	89-87 89-87	VG-909 VG-916	Exh.; .2762" ID, 1.9700" O.A.L. Int.; .2762" ID, 1.6950" O.A.L.		
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
	16	Keeper	89-87	VK-247			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	89-87	E-545KC Std Only	2-1.20MM, 1-2.80MM		
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1 1 1	Main Set Thrust Washer Set Rod Set	89-87 89-87 89-87	6686MA Std-.25-.50MM 1064AF Std Only 4-1145CP Std-.25-.50MM	A-Series aluminum bearings		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	88-87	381-8095			
1.6L 96.8 (1587cc) SOHC L4 (8 Valve), 81mm Bore (Toyota Eng.) 1988-85 6							
VIN Code "4" 1985-88, Eng. Code "4ALC" 1985-88							
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1 1 1	Timing Belt Timing Belt Tensioner Timing Belt & Tensioner Set	88-85 88-85 88-85	222-70 222-66BT BTS-70			
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	4 4	Exhaust Intake	88-85 88-85	V-2255 Std Only V-2256 Std Only	Nitrided stem; 1.2200" Head Dia., .2745" Stem Dia., 4.2120" O.A.L. Chrome plated stem; 1.4173" Head Dia., .2746" Stem Dia., 4.2120" O.A.L.		
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	4 4 4	Guide Guide Guide	88-85 88-85 88-85	VG-731 VG-732	Exh.; .2764" ID, 1.9400" O.A.L. Int.; .2764" ID, 1.6900" O.A.L.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1 1 4	Premium Set Standard Set Premium Single Cylinder Set	88-85 88-85 88-85	E-456KC Std-.50-.75-1.00MM E-456X Std-.75-1.00MM WE-456KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM 2-1.50MM, 1-2.80MM 2-1.50MM, 1-2.80MM		
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1 1 1	Main Set Thrust Washer Set Rod Set	88-85 88-85 88-85	6680MA Std-.25-.50-.75MM 3926AF Std Only 4-1025PA Std-.25-.50-.75MM	A-Series aluminum bearings Position 3		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	88-86	260-1456	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	88-85	381-8040			
	KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
		YEARS	DESCRIPTION				
KITS	88-86	Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			205-6127M	-----	
	88-86	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			205-6127	-----	
1.6L 96.8 (1587cc) DOHC L4 (16 Valve), 81mm Bore (Toyota Eng.) 1990-88 7							
VIN Codes "5" 1988 & 1990-92, "6" 1989-97, Eng. Codes "4AFE" 1989-97, "4AGE" 1988 & 1990-92							
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1 1 1 1 1 1 1 1	Timing Belt Timing Belt Timing Belt Timing Belt Tensioner Timing Belt Tensioner Timing Belt & Tensioner Set Timing Belt & Tensioner Set Crank Sprocket	90 90-89 88 90 89 90-89 88 90	222-B176 222-36 222-112 222-66BT 222-66BT BTS-36 BTS-70 223-2021	VIN Code "5" VIN Code "6" Nova VIN Codes "5" & "6" VIN Code "6" Prizm; 18 Teeth		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	16 16	Lifter Lifter	90-89 88	AT-6003 Std Only AT-6003 Std Only	VIN Codes "5" & "6"; Mech. VIN Code "5"; Mech.		

(continued on next page)

GM Car

7 1.6L 96.8 (1587cc) DOHC L4 (16 Valve), 81mm Bore (Toyota Eng.) 1990-88
 (cont.) VIN Codes "5" 1988 & 1990-92, "6" 1989-97, Eng. Codes "4AFE" 1989-97, "4AGE" 1988 & 1990-92

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-89	V-2575 Std Only	VIN Code "6"; .9640" Head Dia., .2350" Stem Dia., 3.6190" O.A.L.
	8	Intake	90-89	V-2574 Std Only	VIN Code "6"; 1.1820" Head Dia., .2355" Stem Dia., 3.6000" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-89	VG-914	Exh.; VIN Code "5"; .2345" ID, 1.7750" O.A.L.
	8	Guide	90-89	VG-917	Exh.; VIN Code "5"; .2350" ID, 1.8500" O.A.L.
	16	Guide	90-89	VG-913	Exh. & Int.; VIN Code "6"; .2370" ID, 1.5200" O.A.L.
	8	Guide	90-89	VG-915	Int.; VIN Code "5"; .2340" ID, 1.6510" O.A.L.
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-89	ST-2079	Exh. & Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-88	245-1125-51 Std Only	1.1320" OD, .8540" ID, .2370" Depth
	4	Int.	90-88	245-1250-54 Std Only	1.056" ID top taper; 1.2570" OD, 1.0100" ID, .2570" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-89	VK-242	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90	12764P Std-.50-.75-1.00MM	VIN Code "6"; Use w/E-540KC or E-540X ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep
	4	Cast Piston	89	12764P Std-.50-.75-1.00MM	VIN Code "6"; Use w/E-540KC or E-540X ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep
BLOCK	4	Cast Piston - Individual	90	W12764P Std Only	VIN Code "6"; Use w/WE-540KC ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep
	4	Cast Piston - Individual	89	W12764P Std Only	VIN Code "6"; Use w/WE-540KC ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-517KC Std-.50MM	VIN Code "5"; 1-1.20MM, 1-1.50MM, 1-2.80MM
	1	Premium Set	90-88	E-540KC Std-.50-.75-1.00MM	VIN Code "6"; 2-1.50MM, 1-3.00MM
	1	Standard Set	90-88	E-540X Std Only	VIN Code "6"; 2-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90	WE-517KC Std Only	VIN Code "5"; 1-1.20MM, 1-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	90-88	WE-540KC Std-.50MM	VIN Code "6"; 2-1.50MM, 1-3.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	6680MA Std-.25-.50-.75MM	A-Series aluminum bearings
KITS	1	Thrust Washer Set	90-88	3926AF Std Only	Position 3
	1	Rod Set	90-88	4-1025PA Std-.25-.50-.75MM	VIN Code "6"
	4	Rod Pair	90-88	4600P Std-.25MM	VIN Code "5"
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Screen Assy.	90-88	224-14289	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1457	VIN Code "6"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88	260-1779	VIN Code "5"; Nova; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	88	381-8040	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	VIN Code "6"; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6128M	----
	90	VIN Code "6"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6128	----
	89	VIN Code "6"; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6128M	----
KITS	89	VIN Code "6"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6128	----

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1.6L 96.8 (1587cc) DOHC L4 (16 Valve), 81mm Bore (Toyota Eng.) 1990-88 7				
VIN Codes "5" 1988 & 1990-92, "6" 1989-97, Eng. Codes "4AFE" 1989-97, "4AGE" 1988 & 1990-92 (cont.)				
OVERHAUL KIT			PREMIUM	ECONOMY
YEARS	DESCRIPTION		KIT NO.	KIT NO.
90-89	VIN Code "6"; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block	BK-6103	-----
1.6L 96.9 (1588cc) DOHC L4 (16 Valve), 80mm Bore (Isuzu Eng.) 1990 8				
VIN Code "5" 1990-91, Eng. Code "4XE1W" 1990-91				
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90	V-4379X Std Only	Chrome plated stem; 1.1020" Head Dia., .2345" Stem Dia., 3.9770" O.A.L.
8	Intake	90	V-4354 Std Only	Chrome plated stem; 1.2200" Head Dia., .2350" Stem Dia., 3.9780" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90	VG-914	Exh.; .2345" ID, 1.7750" O.A.L.
4	Guide	90	VG-915	Int.; .2340" ID, 1.6510" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90	ST-2079	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
4	Int.	90	245-1312-65 Std Only	1.3195" OD, 1.0600" ID, .2300" Depth
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-547KC1.00MM 1.00MM	2-1.20MM, 1-3.00MM
4	Premium Single Cylinder Set	90	WE-547KC Std Only	2-1.20MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7284M Std-.25MM	
1	Thrust Washer Set	90	4456F Std Only	Position 3
1	Rod Set	90	4-4455RA Std-.25MM	
1.6L 96.9 (1588cc) SOHC L4 (12 Valve), 80mm Bore (Isuzu Eng.) 1990 9				
VIN Code "6" 1990-93, Eng. Code "4XE1V" 1990-93				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B177	
1	Timing Belt Tensioner	90	222-347BT	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90	V-4353 Std Only	Chrome plated stem; 1.2600" Head Dia., .2346" Stem Dia., 4.1410" O.A.L.
8	Intake	90	V-4352 Std Only	Chrome plated stem; 1.1020" Head Dia., .2347" Stem Dia., 4.1020" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90	VG-917	Exh.; .2350" ID, 1.8500" O.A.L.
8	Guide	90	VG-915	Int.; .2340" ID, 1.6510" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
12	Exh.	90	245-1375-51 Std Only	1.3820" OD, 1.0600" ID, .2800" Depth
12	Int.	90	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	90	584P Std Only	Storm; Cast; 2-1.20mm, 1-3.00mm Ring Groove, 1.119" CD, .7087" Pin Dia., Recessed Head .040" deep x 2.430" dia. w/4 valve reliefs
4	Cast Piston - Individual	90	W584P Std Only	Storm; Cast; 2-1.20mm, 1-3.00mm Ring Groove, 1.119" CD, .7087" Pin Dia., Recessed Head .040" deep x 2.430" dia. w/4 valve reliefs
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-547KC1.00MM 1.00MM	2-1.20MM, 1-3.00MM
4	Premium Single Cylinder Set	90	WE-547KC Std Only	2-1.20MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7284M Std-.25MM	
1	Thrust Washer Set	90	4456F Std Only	Position 3
1	Rod Set	90	4-4455RA Std-.25MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90	224-43617	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90	260-1638	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.

(continued on next page)

GM Car

9 1.6L 96.9 (1588cc) SOHC L4 (12 Valve), 80mm Bore (Isuzu Eng.) 1990 (cont.) VIN Code "6" 1990-93, Eng. Code "4XE1V" 1990-93

RE-RING KIT	PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS DESCRIPTION 90 PermaDry® molded rubber valve cover gskt. incl.; Re-ring Premium valve stem seals incl.	205-6350	-----

10 1.6L 97.5 (1598cc) SOHC L4 (8 Valve), 79mm Bore (Opel Eng.) 1990-88 VIN Code "6" 1988-93

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	90	222-B203	2nd design	
	1	Timing Belt & Tensioner Set	90-88	BTS-212		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-88	CS-857		
	8	Lifter	90-88	HT-2056 Std Only	Hyd. lash adj.	
	8	Lifter, Bulk	90-88	HT-2056B Std Only	Hyd. lash adj.; Carton of 128	
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-88	V-2599 Std Only	Chrome plated stem; 1.2200" Head Dia., .2753" Stem Dia., 3.9790" O.A.L.	
BLOCK	4	Intake	90-88	V-3917 Std Only	Chrome plated stem; 1.4960" Head Dia., .2757" Stem Dia., 3.9780" O.A.L.	BLOCK
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90-88	VS-1564	1.8200" Free Height	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	4	Rotocap	90-88	RC-166	Exh.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-88	E-544KC Std Only	1-1.20MM, 1-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90-88	WE-544KC Std Only	1-1.20MM, 1-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-88	7218M Std-.25-.50MM		
BLOCK	1	Rod Set	90-88	4-4210CP Std-.25-.50MM		BLOCK
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-88	260-1770	Premium valve stem seals incl.	
	RE-RING KIT		PREMIUM KIT NO.		ECONOMY KIT NO.	
	YEARS DESCRIPTION		205-6910		-----	
	90-88 Premium valve stem seals incl.	Re-ring	205-6910M		-----	
		Re-ring w/Mains				

11 1.6L 98 (1599cc) SOHC L4 (Chevrolet), 82mm Bore 1987-76 VIN Codes "C" 1982-87, "E" 1976-80, "J" 1978, "O" 1979-80, "9" 1980-82

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	87-79	222-61		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	8	Lifter	87-76	HT-2056 Std Only	Hyd. lash adj.	
	8	Lifter, Bulk	87-76	HT-2056B Std Only	Hyd. lash adj.; Carton of 128	
	1	Prelube	87-76	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm, Bulk	87-76	R-871B	Carton of 64	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	87-80	VS-794	2nd design; 1.5400" Free Height	
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Valve Stem Seal	87-76	ST-2043	Exh.; Positive type; Rubber	
	4	Valve Stem Seal	87-76	ST-2044	Int.; Positive type; Rubber	
	4	Valve Stem Seal Bulk	87-76	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	87-76	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth	
	4	Int.	87-76	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth	
	4	Int.	87-76	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	87-76	VK-216	1 groove	
BLOCK	16	Keeper, Bulk	87-76	VK-216B	1 groove; Carton of 1000	BLOCK
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	87-79	474P1.00MM 1.00-1.50MM	Chevette; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.473" CD, .9055" Pin Dia., Recessed Head .024" deep x 2.375" dia. - 8.6:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-84	E-427K Std-.50MM	2-1.50MM, 1-4.00MM	

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1.6L 98 (1599cc) SOHC L4 (Chevrolet), 82mm Bore 1987-76 11						
VIN Codes "C" 1982-87, "E" 1976-80, "J" 1978, "O" 1979-80, "9" 1980-82 (cont.)						
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	83-76	E-358K	Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-76	E-358X	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87-84	WE-427K	Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-76	WE-358K	Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-76	5060M	Std-.25-.50-.75MM	
	1	Rod Set	87-76	4-3665P	Std-.25-.50-.75-1.00MM	
	4	Rod Pair	87-76	3665P	Std-.25-.50-.75-1.00MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	87-76	224-4159			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	87-76	260-1021	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	87-76	381-8040			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87-84	Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-720 205-720M	----- -----
	83-76	Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-649 205-649M	----- -----
1.8L 109.5 (1796cc) SOHC L4 (8 Valve), 84.8mm Bore (Opel Eng.) 1986-82 12						
VIN Code "O" 1982-86						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	86-82	222-81	111 teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	86-82	CS-778		
	8	Lifter	86-82	HT-2056	Std Only	Hyd. lash adj.
	8	Lifter, Bulk	86-82	HT-2056B	Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	86-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	86-82	KC-778	Hyd. lash adj.; Incl. (1) CS-778, (8) HT-2056, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	86-82	KCT-778	Hyd. lash adj.; Incl. 111 tooth timing belt; Incl. (1) CS-778, (8) HT-2056, (1) 222-81, (1) 55-403B	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
8	Arm	86-82	R-909			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	86-82	VK-216	1 groove		
16	Keeper, Bulk	86-82	VK-216B	1 groove; Carton of 1000		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	86-82	WE-448KC	Std-.50-.75-1.00MM	1-1.50MM, 1-1.75MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	86-82	7108M	Std-.25-.50-.75MM	
	1	Rod Set	86-82	4-1490CPA	Std-.25-.50-.75MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Tool	86-82	MT-J21882	Pump screen installation tool for 5/8" tube		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Head Bolt Set	86-82	260-2502	Replacement req'd.		
1.8L 109.5 (1796cc) SOHC Turbo L4 (8 Valve), 84.8mm Bore (Opel Eng.) 1986-84 13						
VIN Code "J" 1984-86						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	86-84	222-81	111 teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	8	Lifter	86-84	HT-2056	Std Only	Hyd. lash adj.
	8	Lifter, Bulk	86-84	HT-2056B	Std Only	Hyd. lash adj.; Carton of 128
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
8	Arm	86-84	R-909			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	86-84	VK-216	1 groove		

(continued on next page)

GM Car

13 1.8L 109.5 (1796cc) SOHC Turbo L4 (8 Valve), 84.8mm Bore (Opel Eng.) 1986-84

(cont.) VIN Code "J" 1984-86

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Keeper, Bulk	86-84	VK-216B	1 groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	86-84	WE-448KC Std-.50-.75-1.00MM	1-1.50MM, 1-1.75MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1 1	Main Set Rod Set	86-84 86-84	7108M Std-.25-.50-.75MM 4-1490CPA Std-.25-.50-.75MM		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Tool	86-84	MT-J21882	Pump screen installation tool for 5/8" tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Head Bolt Set	86-84	260-2502	Replacement req'd.	

14 1.8L 110.8 (1817cc) SOHC Diesel L4 (8 Valve), 84mm Bore (Isuzu Eng.) 1986-81

VIN Code "D" 1981-86, Eng. Code "4FB1" 1981-86

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	86-81	222-76	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	86-83	ST-2034	Positive type; Viton®
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
1	Pin Bushing Set	86-82	4-67314Y	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	86-82	3571BF Std Only	Position 3

15 1.8L 112 (1835cc) OHV L4 (Chevrolet), 89mm Bore 1982

VIN Code "G" 1982

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Lifter	82	HT-817 Std Only	Hyd.	
	8	Lifter, Bulk	82	HT-817B Std Only	Hyd.; Carton of 128	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	82	RP-3231	7.2060" O.A.L.	
	8	Push Rod, Bulk	82	BRP-3231	Carton of 100; 7.2060" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	82	R-881	Incl. arm, ball & nut	
	8	Arm Assy., Bulk	82	R-881B	Incl. arm, ball & nut; Carton of 64	
	8	Arm	82	R-881A		
	8	Pivot Ball	82	MR-1838		
	8	Nut	82	MR-1837		
	8	Stud	82	MR-1883		
BLOCK	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Spring	82	VS-727	Incl. damper; 1.9100" Free Height	
	8	Spring, Bulk	82	VS-727B	Incl. damper; Carton of 250; 1.9100" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	4	Valve Stem Seal	82	ST-2043	Exh.; Positive type; Rubber	
	4	Valve Stem Seal	82	ST-2044	Int.; Positive type; Rubber	
	4	Valve Stem Seal Bulk	82	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	82	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth	
	4	Exh.	82	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth	
	4	Int.	82	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth	
	4	Int.	82	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Keeper	82	VK-216	1 groove	
	16	Keeper, Bulk	82	VK-216B	1 groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	82	E-412X Std Only	1-1.50MM, 1-2.00MM, 1-4.76MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	82	4-2020CP Std-1-10-20-30-40		
	4	Rod Pair	82	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	82	1485M Std-2	Full round design	
	1	Cam Set	82	1786M Std Only	O.E. split type design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	82	224-4151		
	1	Inter. Shaft	82	224-6151		

(continued on next page)

1.8L 112 (1835cc) OHV L4 (Chevrolet), 89mm Bore 1982 15				
VIN Code "G" 1982 (cont.)				
QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION
1	Oil Pump Shaft Guide	82	224-43351	Nylon
1	Tool	82	MT-J21882	Pump screen installation tool for 5/8" tube
2.0L 121 (1989cc) OHV L4 (Chevrolet), 89mm Bore 1989-83 16				
VIN Codes "B" 1983-84, "P" 1983-86, "1" 1987-89				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	89-83	KT3-370S	Incl. silent type chain; Incl. (1) 222-370, (1) 223-549, (1) 223-558
1	Timing Chain	89-83	222-370	Silent type; 58 Links
1	Timing Chain Tensioner	89-83	222-115CT	
1	Crank Sprocket	89-83	223-549	20 Teeth
1	Cam Sprocket	89-83	223-558	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	89-87	CS-811	
8	Lifter	89-83	HT-969 Std Only	Hyd.; w/.440" wide oil groove
8	Lifter, Bulk	89-83	HT-969B Std Only	Hyd.; Carton of 128
1	Prelube	89-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	89-87	KC-811	Hyd.; Incl. (1) CS-811, (8) HT-969, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-87	KCT-811	Hyd.; Incl. silent type chain; Incl. (1) CS-811, (8) HT-969, (1) KT3-370S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
8	Push Rod	89-87	RP-3282	7.7010" O.A.L.
8	Push Rod	86-83	RP-3231	7.2060" O.A.L.
8	Push Rod, Bulk	86-83	BRP-3231	Carton of 100; 7.2060" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	89-87	R-1090	Incl. arm, ball & nut
8	Arm Assy.	86-83	R-881	Incl. arm, ball & nut
8	Arm Assy., Bulk	86-83	R-881B	Incl. arm, ball & nut; Carton of 64
8	Arm	89-87	R-1090A	
8	Arm	86-83	R-881A	
8	Pivot Ball	89-87	MR-1841	Hole I.D. .4745"
8	Pivot Ball	86-83	MR-1838	
8	Nut	89-87	MR-1882	8MM x 1.25MM Thread
8	Nut	86-83	MR-1837	
8	Pivot	89-87	MR-1926	
8	Stud	86-83	MR-1883	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	89-87	V-2442 Std Only	Chrome plated stem; 1.4567" Head Dia., .3132" Stem Dia., 5.1650" O.A.L.
4	Intake	89-87	V-2443 Std Only	Chrome plated stem; 1.6929" Head Dia., .3136" Stem Dia., 5.4560" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	89-83	VG-1320	Exh.; w/Alum. heads; .3150" ID, 2.3200" O.A.L.
4	Guide	89-83	VG-1319	Int.; w/Alum. heads; .3150" ID, 2.7700" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
4	Spring	89-87	VS-907	2.0980" Free Height
4	Spring	86-83	VS-727	Incl. damper; 1.9100" Free Height
4	Spring, Bulk	86-83	VS-727B	Incl. damper; Carton of 250; 1.9100" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	89-83	ST-2043	Exh.; Positive type; Rubber
4	Valve Stem Seal	89-83	ST-2044	Int.; Positive type; Rubber
4	Valve Stem Seal Bulk	89-83	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	89-87	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
4	Exh.	89-87	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
4	Int.	89-87	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
4	Int.	89-87	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
4	Exh.	86-83	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth
4	Exh.	86-83	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
4	Int.	86-83	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
4	Int.	86-83	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-83	VK-216	1 groove
16	Keeper, Bulk	89-83	VK-216B	1 groove; Carton of 1000

(continued on next page)

GM Car

16 2.0L 121 (1989cc) OHV L4 (Chevrolet), 89mm Bore 1989-83

(cont.) VIN Codes "B" 1983-84, "P" 1983-86, "1" 1987-89

B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K		
	4	Cast Piston	89-87	540P1.00MM 1.00MM	VIN Code "1"; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.297" CD, .8001" Pin Dia., Recessed Head .210" deep x 3.000" dia. - 9.0:1 C.R.			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION			
	1	Premium Set	89-87	E-477K Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM			
	1	Premium Set	86-85	E-429K Std-1.00MM	2-1.50MM, 1-4.76MM			
	1	Premium Set	84-83	E-428K.75MM .75-1.00-1.50MM	2-1.50MM, 1-4.76MM			
	1	Standard Set	89-87	E-477X Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM			
	1	Standard Set	86-85	E-429X Std-.75-1.00MM	2-1.50MM, 1-4.76MM			
	1	Standard Set	84-83	E-428X Std Only	2-1.50MM, 1-4.76MM			
	4	Premium Single Cylinder Set	89-87	WE-477K Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM			
4	Premium Single Cylinder Set	86-85	WE-429K Std-.75-1.00MM	2-1.50MM, 1-4.76MM				
4	Premium Single Cylinder Set	84-83	WE-428K.75MM .75-1.00MM	2-1.50MM, 1-4.76MM				
4	Standard Single Cylinder Set	86-85	WE-429X Std-.75-1.00MM	2-1.50MM, 1-4.76MM				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K			
1	Main Set	89-87	7047MA Std-.25-.50-.75MM	A-Series aluminum bearings				
1	Main Set	86-83	5138MA Std-.25-.50-.75MM	A-Series aluminum bearings				
1	Rod Set	89-83	4-2020CP Std-1-10-20-30-40					
4	Rod Pair	89-83	2020CP Std-1-2-10-20-30-40-50					
1	Cam Set	89-83	1485M Std-2	Full round design				
1	Cam Set	89-83	1786M Std Only	O.E. split type design				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION				
1	Oil Pump	89-83	224-4151					
1	Inter. Shaft	89-83	224-6151					
1	Oil Pump Shaft Guide	89-83	224-43351	Nylon				
1	Tool	89-83	MT-J21882	Pump screen installation tool for 5/8" tube				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	B L O C K			
1	Kit Gasket Set	89-87	260-1227	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.				
1	Kit Gasket Set	86-85	260-1180	w/11mm thick one-piece rear main brg. seal; Exh. pipe packing not incl.; Premium valve stem seals incl.				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION				
1	Brass Block Plug Kit	89-85	381-8054					
K I T S	RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION						
	89-87	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains			205-6006M	----	
	89-87	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring			205-6006	----	
	86-85	w/11mm thick one-piece rear main brg. seal; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains			205-771M	----	
	86-85	w/11mm thick one-piece rear main brg. seal; Exh. pipe packing not incl.; Premium valve stem seals incl.	Re-ring		205-771	----		
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.		
	YEARS	DESCRIPTION						
	89-87	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Pistons		MK-6006A	----		
	89-87	VIN Code "1"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master		MKP-6006A	----		
89-87	VIN Code "1"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6006A	----			
17 2.0L 122 (1998cc) SOHC L4 (8 Valve), 86mm Bore (Opel Eng.) 1990-87								
VIN Codes "H" 1992-94, "K" 1987-91								
QTY	TIMING	YEARS	PART NO.	DESCRIPTION				
1	Timing Belt	90-89	222-81	111 teeth				
1	Timing Belt	90-89	222-B163	125 teeth				
1	Timing Belt	88-87	222-81	111 teeth				

(continued on next page)

2.0L 122 (1998cc) SOHC L4 (8 Valve), 86mm Bore (Opel Eng.) 1990-87 17					
VIN Codes "H" 1992-94, "K" 1987-91 (cont.)					
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	90-87	HT-2056 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90-87	HT-2056B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-87	R-909	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-87	V-3949 Std Only	Chrome plated stem; 1.4390" Head Dia., .2750" Stem Dia., 4.0750" O.A.L.
	4	Intake	90-87	V-2532 Std Only	Chrome plated stem; 1.6900" Head Dia., .2757" Stem Dia., 4.0880" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
B L O C K	8	Guide	90-87	VG-1318	.2771" ID, 1.7900" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-87	VS-1563	1.8250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-87	ST-2105	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-87	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	90-87	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-87	H565P.50MM	Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.162" CD, .8267" Pin Dia., Recessed Head .130" deep x 2.785" dia. - 8.8:1 C.R.
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-539KC Std-.50-.75MM	2-1.50MM, 1-3.00MM
	1	Standard Set	90-87	E-539X Std-.50-.75MM	2-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90-87	WE-539KC Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-87	7108M Std-.25-.50-.75MM	
	1	Rod Set	90-87	4-1490CPA Std-.25-.50-.75MM	
	4	Rod Pair	90-87	1490CPA Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-87	224-43507	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-87	260-1459	Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Head Bolt Set	90-87	260-2502	Replacement req'd.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-87	381-8087	
	RE-RING KIT				
	YEARS	DESCRIPTION			
	90-87	Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	PREMIUM KIT NO. 205-6130 205-6130M
					ECONOMY KIT NO. 205-1130 205-1130M
2.0L 122 (1998cc) SOHC Turbo L4 (8 Valve), 86mm Bore (Opel Eng.) 1990-87 18					
VIN Code "M" 1987-90					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-81	111 teeth
	1	Timing Belt	90-89	222-B163	125 teeth
	1	Timing Belt	88-87	222-81	111 teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-87	CS-838	
	8	Lifter	90-87	HT-2056 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90-87	HT-2056B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
B L O C K	8	Arm	90-87	R-909	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-87	V-3949 Std Only	Chrome plated stem; 1.4390" Head Dia., .2750" Stem Dia., 4.0750" O.A.L.

(continued on next page)

GM Car

18 2.0L 122 (1998cc) SOHC Turbo L4 (8 Valve), 86mm Bore (Opel Eng.) 1990-87

(cont.) VIN Code "M" 1987-90

BLOCK	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Intake	90-87	V-2532 Std Only	Chrome plated stem; 1.6900" Head Dia., .2757" Stem Dia., 4.0880" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-87	VG-1318	.2771" ID, 1.7900" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90-87	ST-2105	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	90-87	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth	
	4	Int.	90-87	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-87	E-539KC Std-.50-.75MM	2-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90-87	WE-539KC Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-87	7108M Std-.25-.50-.75MM		
	1	Rod Set	90-87	4-1490CPA Std-.25-.50-.75MM		
	4	Rod Pair	90-87	1490CPA Std-.25-.50-.75MM		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-87	224-43507		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-87	260-1643	Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl. Replacement req'd.	
	1	Head Bolt Set	90-87	260-2502		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-87	381-8087		
	RE-RING KIT					
	YEARS	DESCRIPTION				
	90-87	Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains		
					PREMIUM KIT NO. 205-6352 205-6352M	ECONOMY KIT NO. ----- -----

19 2.0L 122 (1999cc) DOHC L4 (Cosworth), 89mm Bore 1976-75

VIN Codes "E" 1975, "O" 1975-76

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	76-75	4-2020CP Std-1-10-20-30-40	
4	Rod Pair	76-75	2020CP Std-1-2-10-20-30-40-50	

20 2.2L 134 (2189cc) OHV L4 (Chevrolet), 89mm Bore 1990

VIN Codes "G" 1990-91, "4" 1992-2002

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	90	KT3-370S	Incl. silent type chain; Incl. (1) 222-370, (1) 223-549, (1) 223-558	
	1	Timing Chain	90	222-370	Silent type; 58 Links	
	1	Timing Chain Tensioner	90	222-115CT		
	1	Crank Sprocket	90	223-549	20 Teeth	
	1	Cam Sprocket	90	223-558	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90	CS-811		
	8	Lifter	90	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	8	Lifter, Bulk	90	HT-969B Std Only	Hyd.; Carton of 128	
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90	KC-811	Hyd.; Incl. (1) CS-811, (8) HT-969, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90	KCT-811	Hyd.; Incl. silent type chain; Incl. (1) CS-811, (8) HT-969, (1) KT3-370S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	90	RP-3282	7.7010" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	90	R-1090	Incl. arm, ball & nut	
	8	Arm	90	R-1090A		
	8	Pivot Ball	90	MR-1841	Hole I.D. .4745"	
	8	Nut	90	MR-1882	8MM x 1.25MM Thread	
	8	Pivot	90	MR-1926		

(continued on next page)

2.2L 134 (2189cc) OHV L4 (Chevrolet), 89mm Bore 1990 20						
VIN Codes "G" 1990-91, "4" 1992-2002 (cont.)						
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90	V-2442 Std Only	Chrome plated stem; 1.4567" Head Dia., .3132" Stem Dia., 5.1650" O.A.L.	
	4	Intake	90	V-2443 Std Only	Chrome plated stem; 1.6929" Head Dia., .3136" Stem Dia., 5.4560" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90	VG-1320	Exh.; .3150" ID, 2.3200" O.A.L.	
	4	Guide	90	VG-1319	Int.; .3150" ID, 2.7700" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90	VS-907	Exh. & Int.; 2.0980" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	4	Valve Stem Seal	90	ST-2090	Exh.; Positive type; Fluoroelastomer	
BLOCK	4	Valve Stem Seal	90	ST-2044	Int.; 1st design; Eighth digit Cast. No. not followed by an "S"; Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	90	245-1562-66 Std Only	1.5695" OD, 1.2650" ID, .2800" Depth	
	4	Int.	90	245-1812-55 Std Only	1.8195" OD, 1.5000" ID, .2780" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90	VK-216	Exh. & Int.; 1 groove	
	16	Keeper, Bulk	90	VK-216B	Exh. & Int.; 1 groove; Carton of 1000	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90	569P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.162" CD, .8001" Pin Dia., Recessed Head .225" deep x 2.920" dia.	
	4	Cast Piston - Individual	90	W569P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.162" CD, .8001" Pin Dia., Recessed Head .225" deep x 2.920" dia.	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-531K Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM	
	1	Standard Set	90	E-531X Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90	WE-531K Std-.50-.75MM	2-1.50MM, 1-3.00MM	
	4	Standard Single Cylinder Set	90	WE-531X Std-.50-.75MM	2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	7047MA Std-.25-.50-.75MM	A-Series aluminum bearings	
	1	Rod Set	90	4-2020CP Std-1-10-20-30-40		
	4	Rod Pair	90	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	90	1485M Std-2	Full round design	
	1	Cam Set	90	1786M Std Only	O.E. split type design	
KITS	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-4151		
	1	Inter. Shaft	90	224-6151		
	1	Oil Pump Shaft Guide	90	224-43351	Nylon	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1227	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl. Replacement recommended	
	1	Head Bolt Set	90	260-2530		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6131M	205-1131M
KITS	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6131	205-1131
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		BK-6006	----
	90	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6131A MK-6131A	MKP-1131A MK-1131A
	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6131A	505-1131A
2.3L 138 (2260cc) DOHC L4 (16 Valve/Olds.), 92mm Bore 1990-87 21						
VIN Codes "A" 1989-94 (Quad 4 H.O.), "D" 1987-95 (Quad 4)						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	3 Piece Set	90-87	KT3-D130SA	1st design; Incl. (1) 222-D130, (1) 223-653, (2) 223-692		

(continued on next page)

GM Car

21 2.3L 138 (2260cc) DOHC L4 (16 Valve/Olds.), 92mm Bore 1990-87

(cont.) VIN Codes "A" 1989-94 (Quad 4 H.O.), "D" 1987-95 (Quad 4)

V A L V E T R A I N	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	90-88	222-D130	1st design; Double rlr.; 130 Links
	1	Timing Chain	90-87	222-383	2nd design; Inverted tooth; 130 Links
	1	Timing Chain Tensioner	90-88	222-188CT	1st design; Use w/222-268GP
	1	Timing Chain Tensioner	90-87	222-268GP	1st design; Use w/222-188CT; Tensioner shoe
	1	Timing Chain Tensioner	90-87	222-294CT	2nd design; Inverted tooth
	1	Timing Chain Guide	90-88	222-305GP	L.H.; 2nd design
	1	Timing Chain Guide	90-88	222-304GP	R.H.; 2nd design
	1	Timing Chain Guide	90-88	222-306GP	Upper; 2nd design
	1	Crank Sprocket	90-88	223-653	1st design; 19 Teeth
V A L V E T R A I N	1	Crank Sprocket	90-88	223-747	2nd design; 19 Teeth
	2	Cam Sprocket	90-88	223-692	1st design; 38 Teeth
	2	Cam Sprocket	90-88	223-734	2nd design; 38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-832	Exh.; VIN Code "D"
	1	Camshaft	90-89	CS-831	Int.; VIN Code "D"
	1	Camshaft	88-87	CS-832	Exh.; VIN Code "D"
	1	Camshaft	88-87	CS-831	Int.; VIN Code "D"
	16	Lifter	90-87	HT-2236 Std Only	Hyd. bucket type lifter
	16	Lifter, Bulk	90-87	HT-2236B Std Only	Hyd. bucket type lifter; Carton of 192
V A L V E T R A I N	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-87	KC-832	Exh.; VIN Code "D"; Hyd.; Incl. (1) CS-832, (8) HT-2236, (1) 55-403B
	1	Cam/Lifter Kit	90-87	KC-831	Int.; VIN Code "D"; Hyd.; Incl. (1) CS-831, (8) HT-2236, (1) 55-403B
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-89	V-2612 Std-15	VIN Codes "A" & "D"; 2nd design; Chrome plated stem; 1.2390" Head Dia., .2745" Stem Dia., 4.3080" O.A.L.
	8	Exhaust	89-87	V-2610 Std Only	VIN Code "D"; 1st design; Chrome plated stem; 1.1810" Head Dia., .2743" Stem Dia., 4.3110" O.A.L.
	8	Exhaust, Bulk	90-89	V-2612B Std-15	VIN Codes "A" & "D"; 2nd design; Chrome plated stem; Carton of 25; 1.2390" Head Dia., .2745" Stem Dia., 4.3080" O.A.L.
	8	Intake	90-89	V-2613 Std-15	VIN Codes "A" & "D"; 2nd design; Chrome plated stem; 1.4410" Head Dia., .2750" Stem Dia., 4.3280" O.A.L.
	8	Intake	89-87	V-2611 Std Only	VIN Code "D"; 1st design; Chrome plated stem; 1.4000" Head Dia., .2748" Stem Dia., 4.3330" O.A.L.
B L O C K	8	Intake, Bulk	90-89	V-2613B Std-15	VIN Codes "A" & "D"; 2nd design; Chrome plated stem; Carton of 25; 1.4410" Head Dia., .2750" Stem Dia., 4.3280" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	90-88	VS-1530	Exh. & Int.; 1.7800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-88	ST-2117	Exh. & Int.; O.E. design; Positive type
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-89	VK-292	Exh. & Int.
	16	Rotocap	90-88	RC-164	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-88	H566P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.241" CD, .8661" Pin Dia., Recessed Head .120" deep x 2.895" dia. - 9.5:1 C.R.
B L O C K	4	Cast Piston - Individual	90-88	WH566P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.241" CD, .8661" Pin Dia., Recessed Head .120" deep x 2.895" dia. - 9.5:1 C.R.
	4	Pin Bushing	90-88	1544Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-535K Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM
	1	Standard Set	90-87	E-535X Std-.50-.75-1.00MM	2-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90-87	WE-535K Std-.50-.75MM	2-1.50MM, 1-3.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-87	7054MA Std-.25-.50-.75MM	A-Series aluminum bearings
	1	Rod Set	90-87	4-1540A Std-.25-.50-.75MM	A-Series aluminum bearings
	4	Rod Pair	90-87	1540A Std-.25-.50-.75MM	A-Series aluminum bearings
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-89	224-43435	
	1	Oil Pump	88-87	224-43435	2nd design; w/sheet metal gear cover; Must reuse sheet metal gear cover
B L O C K	1	Screen Assy.	90-89	224-14279	VIN Codes "A" & "D"

(continued on next page)

2.3L 138 (2260cc) DOHC L4 (16 Valve/Olds.), 92mm Bore 1990-87 21
 VIN Codes "A" 1989-94 (Quad 4 H.O.), "D" 1987-95 (Quad 4) (cont.)

QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-87	260-1460	1st design; Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
1	Head Bolt Set	90-87	260-2506	Replacement recommended	
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION			PREMIUM KIT NO.
	90-87	1st design; Head bolts not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6132 205-6132M
	YEARS	DESCRIPTION			ECONOMY KIT NO.
	90-89	VIN Code "D"; 1st design; Head bolts not incl.; Exh. pipe packing not incl.; Freeze plugs not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master Master w/o Pistons		205-1132 205-1132M
	90-89	VIN Code "D"; 1st design; Head bolts not incl.; Exh. pipe packing not incl.; Freeze plugs not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		205-1132M
K I T S	YEARS	DESCRIPTION			PREMIUM KIT NO.
	90-88	1st design; Head bolts not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block		505-6132C BK-6011
					ECONOMY KIT NO.

2.3L 140 OHV H6 (Corvair), 3.375" Bore 1960 22

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter	60	HT-817 Std Only	Hyd.	
12	Lifter, Bulk	60	HT-817B Std Only	Hyd.; Carton of 128	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	60	RP-3077	10.2850" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Pivot Ball	60	MR-1783	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	60	VG-6182	.3435" ID, 2.2200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	60	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	60	ST-2012	Positive type; PTFE
V A L V E T R A I N	12	Valve Stem Seal Bulk	60	ST-2012BC	Positive type; Carton of 100; PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	60	VK-115	1 groove; Square cut key groove
	24	Keeper	60	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	60	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	60	SL-13M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	60	4063M Std-10	Full flanged brgs.
	1	Rod Set	60	6-2385CP Std-10	
	6	Rod Pair	60	2385CP Std-10	

2.3L 140 SOHC L4 (Chevrolet), 3.5" Bore 1977-71 23
 VIN Codes "A" 1971-76, "B" 1971-77

QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	75-71	VS-677	Incl. damper; 2.0300" Free Height	
8	Spring, Bulk	75-71	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	77-71	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	4	Valve Stem Seal	77-71	MV-1888C	Int.; O.E. design; Positive type; Viton®
	8	Valve Stem Seal Bulk	77-71	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	77-71	245-1437-1 Std Only	Int.; O.E. design; Positive type; Carton of 50; Viton®
				1.4420" OD, 1.2500" ID, .2160" Depth	

(continued on next page)

GM Car

23 2.3L 140 SOHC L4 (Chevrolet), 3.5" Bore 1977-71

(cont.) VIN Codes "A" 1971-76, "B" 1971-77

QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
4	Int.	77-71	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
4	Int.	77-71	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	77-71	VK-115	1 groove; Square cut key groove
16	Keeper	77-71	VK-115R	1 groove; Square cut key groove; Hardened
16	Keeper, Bulk	77-71	VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Spring Insert	77-71	259-203C	.015"; Carton of 100
8	Spring Insert	77-71	259-203B	.030"; Carton of 100
8	Spring Insert	77-71	259-203BRS	.030"; Carton of 500
8	Spring Insert	77-71	259-203A	.060"; Carton of 100
8	Spring Insert	77-71	259-203ARS	.060"; Carton of 500
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	77-71	4-2020CP Std-1-10-20-30-40	
4	Rod Pair	77-71	2020CP Std-1-2-10-20-30-40-50	

24 2.4L 145 OHV H6 (Corvair), 3.4375" Bore 1963-61

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
12	Lifter	63-61	HT-817 Std Only	Hyd.
12	Lifter, Bulk	63-61	HT-817B Std Only	Hyd.; Carton of 128
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	63-61	RP-3077	10.2850" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Pivot Ball	63-61	MR-1783	
12	Nut	63-61	MR-1751	Self-locking, 3/8" x 24 threads
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	63-61	VG-6182	.3435" ID, 2.2200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	63-61	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	63-61	ST-2012	Positive type; PTFE
12	Valve Stem Seal Bulk	63-61	ST-2012BC	Positive type; Carton of 100; PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	63-61	VK-115	1 groove; Square cut key groove
24	Keeper	63-61	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	63-61	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	63-61	SL-14M Std Only	3/32" wall, must be cut to correct length
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	63-61	4063M Std-10	Full flanged brgs.
1	Rod Set	63-61	6-2385CP Std-10	
6	Rod Pair	63-61	2385CP Std-10	

25 2.4L 145 OHV Turbo H6 (Corvair), 3.4375" Bore 1963

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	63	RP-3077	10.2850" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	63	VG-6182	.3435" ID, 2.2200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	63	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	63	ST-2012	Positive type; PTFE
12	Valve Stem Seal Bulk	63	ST-2012BC	Positive type; Carton of 100; PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	63	VK-115	1 groove; Square cut key groove
24	Keeper	63	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	63	VK-115B	1 groove; Square cut key groove; Carton of 1000

26 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77

VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, "5" 1979-83, "9" 1978-79

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-87	KT3-378S	VIN Code "U"; Incl. (1) 222-378, (1) 223-690, (1) 223-695
1	Gear Set	90-80	221-2542LS	VIN Code "R"; Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542

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2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77 26

VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, (cont.)
"5" 1979-83, "9" 1978-79

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	89-85	221-2544S	VIN Code "U"; Incl. (1) 221-2537, (1) 221-2544
	1	Gear Set	86-82	221-2542LS	VIN Codes "F" & "2"; Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542
	1	Gear Set	79-77	221-2542LS	Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542
	1	Chain Damper	90	222-186CT	VIN Code "U"
	1	Crank Sprocket	90-87	223-695	VIN Code "U"; 21 Teeth
	1	Crank Gear	90-80	221-2537	VIN Code "R"; 27 Teeth
	1	Crank Gear	86-82	221-2537	VIN Codes "F" & "2"; 27 Teeth
	1	Crank Gear	79-77	221-2537	27 Teeth
	1	Cam Gear	89-85	221-2544	VIN Code "U"; 54 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90	CS-1507	VIN Code "R"
	1	Camshaft	89	CS-782	VIN Code "R"
	1	Camshaft	89-87	CS-781	VIN Code "U"; w/gear driven cam
	1	Camshaft	88	CS-782	VIN Code "R"
	1	Camshaft	87	CS-782	VIN Code "R"
	1	Camshaft	86-85	CS-696	VIN Code "R"; w/flat lifters
	1	Camshaft	86-85	CS-782	VIN Code "R"; w/r/r. lifters
	1	Camshaft	86-85	CS-781	VIN Code "U"; w/r/r. lifters
	1	Camshaft	84	CS-782	VIN Code "R"; w/r/r. lifters
	1	Camshaft	84	CS-696	VIN Codes "R" & "2"; w/flat lifters
	1	Camshaft	83-80	CS-696	
	1	Camshaft	79	CS-708	VIN Code "1"; w/Calif. Emis.
	1	Camshaft	79	CS-696	VIN Codes "V" & "9"; Exc. Calif.
	1	Camshaft	78-77	CS-708	
	8	Lifter	90-87	HT-2148 Std Only	Hyd. rlr.
	8	Lifter	86-84	HT-2148 Std Only	VIN Codes "R" & "U"; Hyd. rlr.
	8	Lifter	86-84	HT-969 Std Only	VIN Codes "R" & "2"; Hyd.; w/.440" wide oil groove
	8	Lifter	83-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	8	Lifter	79	HT-969 Std Only	VIN Code "1"; w/Calif. Emis.; Hyd.; w/.440" wide oil groove
	8	Lifter	79	HT-969 Std Only	VIN Codes "V" & "9", exc. Calif.; Hyd.; w/.440" wide oil groove
	8	Lifter	78-77	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	8	Lifter, Bulk	90-87	HT-2148B Std Only	Hyd. rlr.; Carton of 128
	8	Lifter, Bulk	86-84	HT-2148B Std Only	VIN Codes "R" & "U"; Hyd. rlr.; Carton of 128
	8	Lifter, Bulk	86-84	HT-969B Std Only	VIN Codes "R" & "2"; Hyd.; Carton of 128
	6	Lifter, Bulk	83-80	HT-969B Std Only	Hyd.; Carton of 128
	8	Lifter, Bulk	79	HT-969B Std Only	VIN Code "1"; w/Calif. Emis.; Hyd.; Carton of 128
	8	Lifter, Bulk	79	HT-969B Std Only	VIN Codes "V" & "9", exc. Calif.; Hyd.; Carton of 128
	8	Lifter, Bulk	78-77	HT-969B Std Only	Hyd.; Carton of 128
	1	Prelube	90-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90	KC-1507	VIN Code "R"; Hyd. rlr.; Incl. (1) CS-1507, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	90	KC-1518	VIN Code "U"; Hyd. rlr.; Incl. (1) CS-1518, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	89	KC-782	VIN Code "R"; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	89-87	KC-781	VIN Code "U"; w/gear driven cam; Hyd. rlr.; Incl. (1) CS-781, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	88	KC-782	VIN Code "R"; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	87	KC-782	VIN Code "R"; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	86-85	KC-782	VIN Code "R"; w/r/r. lifters; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	86-85	KC-781	VIN Code "U"; w/r/r. lifters; Hyd. rlr.; Incl. (1) CS-781, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	84	KC-782	VIN Code "R"; w/r/r. lifters; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	79	KC-708	VIN Code "1"; w/Calif. Emis.; Hyd.; Incl. (1) CS-708, (8) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	78-77	KC-708	Hyd.; Incl. (1) CS-708, (8) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89	KCT-782	VIN Code "R"; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-87	KCT-781	VIN Code "U"; w/gear driven cam; Hyd.; Incl. (1) CS-781, (8) HT-2148, (1) 221-2544S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	88	KCT-782	VIN Code "R"; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B

(continued on next page)

GM Car

26 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77

(cont.) VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, "5" 1979-83, "9" 1978-79

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	87	KCT-782	VIN Code "R"; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-85	KCT-782	VIN Code "R"; w/rlr. lifters; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86-85	KCT-781	VIN Code "U"; w/rlr. lifters; Hyd.; Incl. (1) CS-781, (8) HT-2148, (1) 221-2544S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	84	KCT-782	VIN Code "R"; w/rlr. lifters; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	90-87	RP-3263	8.2720" O.A.L.
	8	Push Rod	86-85	RP-3170	8.3830" O.A.L.
	8	Push Rod	84	RP-3211	Exc. Fiero; 8.9760" O.A.L.
	8	Push Rod	84	RP-3263	2nd design; Fiero; 8.2720" O.A.L.
	8	Push Rod	83-82	RP-3211	8.9760" O.A.L.
	8	Push Rod	79	RP-3180	Calif.; 9.6800" O.A.L.
	8	Push Rod	79	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	8	Push Rod	78-77	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	8	Push Rod	78-77	RP-3180	9.6800" O.A.L.
	8	Push Rod, Bulk	90-87	BRP-3263	Carton of 100; 8.2720" O.A.L.
	8	Push Rod, Bulk	84	BRP-3211	Exc. Fiero; Carton of 100; 8.9760" O.A.L.
	8	Push Rod, Bulk	84	BRP-3263	2nd design; Fiero; Carton of 100; 8.2720" O.A.L.
	8	Push Rod, Bulk	83-82	BRP-3211	Carton of 100; 8.9760" O.A.L.
	8	Push Rod, Bulk	79	BRP-3180	Calif.; Carton of 100; 9.6800" O.A.L.
	8	Push Rod, Bulk	78-77	BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	90-89	R-894	Incl. arm & 2-pivots
	8	Arm Assy.	88-80	R-894	Incl. arm & 2-pivots
	8	Arm Assy.	79-77	R-894	Incl. arm & 2-pivots
	8	Arm Assy., Bulk	90-89	R-894B	Incl. arm & 2-pivots; Carton of 64
	8	Arm Assy., Bulk	88-80	R-894B	Incl. arm & 2-pivots; Carton of 64
	8	Arm Assy., Bulk	79-77	R-894B	Incl. arm & 2-pivots; Carton of 64
	8	Arm	90-89	R-894A	
	8	Arm	88-80	R-894A	
	8	Arm	79-77	R-894A	
	8	Pivot Ball	90-77	MR-1832	Hole I.D. .4365"
	8	Pivot Ball	90-77	MR-1841	Hole I.D. .4745"
	8	Nut	90-77	MR-1934	3/8" x 24 UNF
	8	Bolt	88-87	MR-1938	
	8	Bolt	86-81	MR-1936	Exc. 1984 Fiero
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-89	V-2529 Std-15	Chrome plated stem; 1.5000" Head Dia., .3133" Stem Dia., 4.5410" O.A.L.
	4	Exhaust	88-87	V-2436 Std Only	Chrome plated stem; 1.5000" Head Dia., .3132" Stem Dia., 4.3550" O.A.L.
	4	Exhaust	86-80	V-2203 Std Only	Chrome plated stem; 1.5000" Head Dia., .3422" Stem Dia., 4.6200" O.A.L.
	4	Exhaust	79	V-2203 Std Only	Exc. Calif.; Chrome plated stem; 1.5000" Head Dia., .3422" Stem Dia., 4.6200" O.A.L.
	4	Exhaust, Bulk	90-89	V-2529B15 15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3258" Stem Dia., 4.5410" O.A.L.
	4	Intake	90-89	V-2530 Std-15	Chrome plated stem; 1.7201" Head Dia., .3135" Stem Dia., 4.5910" O.A.L.
	4	Intake	88-87	V-3941 Std Only	Chrome plated stem; 1.7200" Head Dia., .3135" Stem Dia., 4.3940" O.A.L.
	4	Intake	86-80	V-2204 Std Only	Chrome plated stem; 1.7200" Head Dia., .3422" Stem Dia., 4.6690" O.A.L.
	4	Intake	79	V-2204 Std Only	Exc. Calif.; Chrome plated stem; 1.7200" Head Dia., .3422" Stem Dia., 4.6690" O.A.L.
	4	Intake, Bulk	90-89	V-2530B15 15	Chrome plated stem; Carton of 25; 1.7201" Head Dia., .3285" Stem Dia., 4.5910" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-77	VG-5005	Exh. & Int.; w/.343" stem dia.; .3430" ID, 2.2500" O.A.L.
	8	Guide	90-77	VG-5005H	Exh. & Int.; w/.343" stem dia.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide	90-77	VG-5005T	Exh. & Int.; w/.343" stem dia.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide	90-77	VG-5083T	Exh. & Int.; Threaded; w/8.0MM valve stem dia.; .3150" ID, 2.2500" O.A.L.

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2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77 **26**VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, (cont.)
"5" 1979-83, "9" 1978-79

QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Guide, Bulk	90-77	VG-5005B	Exh. & Int.; w/.343" stem dia.; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk	90-77	VG-5005TB	Exh. & Int.; w/.343" stem dia.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-89	VS-922	Incl. damper; 2.0080" Free Height
8	Spring	88-87	VS-861	Incl. damper; 1.8240" Free Height
8	Spring	85-77	VS-521	Incl. damper; 2.1090" Free Height
8	Spring, Bulk	88-87	VS-861B	Incl. damper; Carton of 300; 1.8240" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-87	ST-2087	Exh. & Int.; O.E. design; Positive type; Viton®
8	Valve Stem Seal	90-87	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	86-77	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	86-77	MV-1233C	Exh. & Int.; O-Ring; Rubber
4	Valve Stem Seal	85-80	MV-1888C	Int.; O.E. design; Positive type; Viton®
8	Valve Stem Seal Bulk	90-87	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	86-77	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
8	Valve Stem Seal Bulk	86-77	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
4	Valve Stem Seal Bulk	85-80	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-77	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
4	Exh.	90-77	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
4	Int.	90-77	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
4	Int.	90-77	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-87	VK-216	1 groove
16	Keeper	86-85	VK-115	1 groove; Square cut key groove
16	Keeper	86-85	VK-115R	1 groove; Square cut key groove; Hardened
16	Keeper	84	VK-115	Exc. Fiero; 1 groove; Square cut key groove
16	Keeper	84	VK-115R	Exc. Fiero; 1 groove; Square cut key groove; Hardened
16	Keeper	84	VK-216	Fiero; 1 groove
16	Keeper	83-77	VK-115	1 groove; Square cut key groove
16	Keeper	83-77	VK-115R	1 groove; Square cut key groove; Hardened
16	Keeper, Bulk	90-87	VK-216B	1 groove; Carton of 1000
16	Keeper, Bulk	86-85	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Keeper, Bulk	84	VK-115B	Exc. Fiero; 1 groove; Square cut key groove; Carton of 1000
16	Keeper, Bulk	84	VK-216B	Fiero; 1 groove; Carton of 1000
16	Keeper, Bulk	83-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Spring Insert	90-77	259-201B	.030"; Carton of 100
8	Spring Insert	90-77	259-201A	.060"; Carton of 100
8	Spring Insert	90-77	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	90-87	H547CP Std-20-30-40-60	VIN Codes "R" & "U"; Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	90-87	H547P Std-20-30-40-60	VIN Codes "R" & "U"; Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston	86-82	H553CP Std-20-30-40-60	Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	86-82	H547CP Std-20-30-40-60	VIN Code "R"; Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

GM Car

26 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77

(cont.) VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, "5" 1979-83, "9" 1978-79

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	86-82	H547P Std-20-30-40-60	VIN Code "R"; Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston	81-80	H547CP Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	81-80	H547P Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston	81-79	465AP * Std-30-40-60	Use w/E-381K or E-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.
4	Cast Piston	81-79	465NP Std-30-40-60	Use w/E-381K or E-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.
4	Cast Piston	81-79	H553CP Std-20-30-40-60	Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	79	H547CP Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	79	H547P Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston	78-77	457P30 30-40-60	Use w/E-381K or E-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Flat Head - 8.2:1 C.R.
4	Cast Piston - Individual	90-87	WH547CP Std-20-30-40-60	VIN Codes "R" & "U"; Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	90-87	WH547P Std-20-30-40-60	VIN Codes "R" & "U"; Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston - Individual	86-82	WH553CP Std-20-30-40-60	Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	86-82	WH547CP Std-20-30-40-60	VIN Code "R"; Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	86-82	WH547P Std-20-30-40-60	VIN Code "R"; Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston - Individual	81-80	WH547CP Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	81-80	WH547P Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston - Individual	81-79	W465NP Std Only	Use w/WE-381K or WE-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.

(continued on next page)

2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77 **26**VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, (cont.)
"5" 1979-83, "9" 1978-79

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston - Individual	81-79	WH553CP Std-20-30-40-60	Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston - Individual	79	WH547CP Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston - Individual	79	WH547P Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
	4	Cast Piston - Individual	78-77	W457P30 30-40-60	Use w/WE-381K or WE-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Flat Head - 8.2:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-87	4KH547CP60 60	VIN Codes "R" & "U"; Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	86-82	4KH547CP60 60	VIN Code "R"; Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	81-80	4KH547CP60 60	Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	79	4KH547CP60 60	Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	79	4KH547CP60 60	Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-82	E-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	1	Premium Set	86-82	E-381K Std-20-30-40-60	Use w/H553CP piston; 2-5/64, 1-3/16
	1	Premium Set	81-80	E-384K Std-20-30-40-60	Use w/H547CP or H547P piston; 1-1/16, 1-5/64, 1-3/16
	1	Premium Set	81-80	E-381K Std-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	79	E-381K Std-20-30-40-60	Calif.; 2-5/64, 1-3/16
	1	Premium Set	79	E-384K Std-20-30-40-60	Use w/H547CP or H547P piston; 1-1/16, 1-5/64, 1-3/16
	1	Premium Set	78-77	E-381K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	90-82	E-384X Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	1	Standard Set	86-82	E-381X Std-20-30-40-60	Use w/H553CP piston; 2-5/64, 1-3/16
	1	Standard Set	81-80	E-384X Std-20-30-40-60	Use w/H547CP or H547P piston; 1-1/16, 1-5/64, 1-3/16
	1	Standard Set	81-80	E-381X Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	79	E-381X Std-20-30-40-60	Calif.; 2-5/64, 1-3/16
	1	Standard Set	79	E-384X Std-20-30-40-60	Use w/H547CP or H547P piston; 1-1/16, 1-5/64, 1-3/16
	1	Standard Set	78-77	E-381X Std-20-30-40-60	2-5/64, 1-3/16
	4	Premium Single Cylinder Set	90-82	WE-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	4	Premium Single Cylinder Set	86-82	WE-381K Std-20-30	Use w/WH553CP piston; 2-5/64, 1-3/16
	4	Premium Single Cylinder Set	81-80	WE-384K Std-20-30-40-60	Use w/WH547CP or WH547P piston; 1-1/16, 1-5/64, 1-3/16
	4	Premium Single Cylinder Set	81-80	WE-381K Std-20-30	2-5/64, 1-3/16
	4	Premium Single Cylinder Set	79	WE-381K Std-20-30	Calif.; 2-5/64, 1-3/16
	4	Premium Single Cylinder Set	79	WE-384K Std-20-30-40-60	Use w/WH547CP or WH547P piston; 1-1/16, 1-5/64, 1-3/16
	4	Premium Single Cylinder Set	78-77	WE-381K Std-20-30	2-5/64, 1-3/16
	4	Standard Single Cylinder Set	86-82	WE-381X Std-20-30-40	Use w/WH553CP piston; 2-5/64, 1-3/16
	4	Standard Single Cylinder Set	81-80	WE-381X Std-20-30-40	2-5/64, 1-3/16
	4	Standard Single Cylinder Set	79	WE-381X Std-20-30-40	Calif.; 2-5/64, 1-3/16
	4	Standard Single Cylinder Set	78-77	WE-381X Std-20-30-40	2-5/64, 1-3/16
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	4	Repair Sleeve	90-77	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	4	Repair Sleeve	90-77	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-85	6690MA Std-1-10-20-30	VIN Code "U"; A-Series aluminum bearings
	1	Main Set	90-82	6689MA Std-1-10-20-30	VIN Code "R"; A-Series aluminum bearings
	1	Main Set	86-82	6689MA Std-1-10-20-30	VIN Code "2"; A-Series aluminum bearings
	1	Main Set	81-77	6689MA Std-1-10-20-30	A-Series aluminum bearings
	1	Rod Set	90-77	4-2500RAA Std-1-10-20-30-40	A-Series aluminum bearings
BLOCK	1	Rod Set	90-77	4-2500RAA10X2 10X2-20X2-30X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore

(continued on next page)

GM Car

26 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77
 (cont.) VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, "5" 1979-83, "9" 1978-79

B L O C K	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Rod Pair	90-77	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	90-85	1756M Std Only	VIN Code "U"
	1	Cam Set	90-85	1461M Std Only	VIN Codes "R" & "2"
	1	Cam Set	84-77	1461M Std Only	
	2	Balance Shaft Bearing	90-85	2557DR Std Only	VIN Code "U"
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	87-80	224-41239	
	1	Oil Pump	87-80	224-41239V	High Volume, check pan for clearance
	1	Oil Pump	79	224-41239	Exc. Calif.
B L O C K	1	Oil Pump	79	224-41239V	Exc. Calif.; High Volume, check pan for clearance
	1	Inter. Shaft	87-80	224-61239	
	1	Inter. Shaft	79	224-61239	Exc. Calif.
	1	Screen Assy.	87	224-11239	
	1	Screen Assy.	86-85	224-11239	Exc. VIN Code "U"
	1	Screen Assy.	84-80	224-11239	
	1	Screen Assy.	79	224-11239	Exc. Calif.
	1	Tool	90-77	MT-J21882	Pump screen installation tool for 5/8" tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1563	VIN Code "R"; Exh. pipe packing not incl.; Premium valve stem seals incl.
B L O C K	1	Kit Gasket Set	90-89	260-1463	VIN Code "U"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	89-88	260-1464	VIN Code "R"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88	260-1462	VIN Code "U"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87	260-1228	VIN Code "R"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87	260-1229	VIN Code "U"; w/A/T; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-85	260-1179	VIN Code "U"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-84	260-1178	VIN Codes "R" & "2"; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	83-80	260-1128	Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	79	260-1128	Crossflow head; Premium valve stem seals incl.
	1	Head Bolt Set	90-85	260-2518	VIN Code "U"; Replacement recommended
K I T S	1	Head Bolt Set	90-85	260-2504	VIN Codes "R" & "2"; Replacement recommended
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-86	381-8074	
	1	Brass Block Plug Kit	85-77	381-8045	
	YEARS	RE-RING KIT DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	VIN Code "U"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6136 205-6136M	205-1136 205-1136M
	90	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6219 205-6219M	205-1219 205-1219M
	89	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6134 205-6134M	205-1134 205-1134M
	89	VIN Code "U"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6136 205-6136M	205-1136 205-1136M
	88	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6134 205-6134M	205-1134 205-1134M
K I T S	88	VIN Code "U"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6135 205-6135M	205-1135 205-1135M
	87	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6007 205-6007M	205-1007 205-1007M
	87	VIN Code "U"; w/A/T; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6008 205-6008M	205-1008 205-1008M
	86-85	VIN Code "U"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-770 205-770M	205-270 205-270M

(continued on next page)

2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77 **26**

VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, (cont.)
"5" 1979-83, "9" 1978-79

K I T S	RE-RING KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	86-84	VIN Codes "R" & "2"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-769A 205-769AM	205-269A 205-269AM	
	83-82	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove	Re-ring		205-714	205-214	
	81	Use w/H547CP or H547P piston; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove	Re-ring		205-714	205-214	
	80	Use w/H547CP or H547P piston; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove	Re-ring		205-714	205-214	
	79	w/Crossflow head; Use w/H547CP or H547P piston; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove	Re-ring		205-714	205-214	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	90	VIN Code "R"; Exh. pipe packing not incl.; Oil pump & cam kit not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master w/o Pistons		MK-6219C	MK-1219C	
	90	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Oil pump not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master Master w/o Pistons		MKP-6373A MK-6373A	MKP-1373A MK-1373A	
	90	VIN Code "R"; Exh. pipe packing not incl.; Oil pump not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6373A	505-1373A	
	90	VIN Code "U"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Oil pump not incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6374A MK-6374A	MKP-1374A MK-1374A	
	90	VIN Code "U"; Exh. pipe packing not incl.; Oil pump not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6374A	505-1374A	
	89	VIN Code "R"; Exh. pipe packing not incl.; Oil pump not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. laminated cam gear	Master Master w/o Pistons		MKP-6134A MK-6134A	MKP-1134A MK-1134A	
	89	VIN Code "R"; Exh. pipe packing not incl.; Oil pump not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6134A	505-1134A	
	89	VIN Code "U"; Exh. pipe packing not incl.; w/gear driven cam; Oil pump not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6136A MK-6136A	MKP-1136A MK-1136A	
	89	VIN Code "U"; Exh. pipe packing not incl.; w/gear driven cam; Oil pump not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6136A	505-1136A	
	88	VIN Code "R"; Exh. pipe packing not incl.; Oil pump not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. laminated cam gear	Master Master w/o Pistons		MKP-6134A MK-6134A	MKP-1134A MK-1134A	
	88	VIN Code "R"; Exh. pipe packing not incl.; Oil pump not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6134A	505-1134A	
	88	VIN Code "U"; Exh. pipe packing not incl.; w/gear driven cam; Oil pump not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6135A MK-6135A	MKP-1135A MK-1135A	
	88	VIN Code "U"; Exh. pipe packing not incl.; w/gear driven cam; Oil pump not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6135A	505-1135A	
	87	VIN Code "R"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. laminated cam gear	Master Master w/o Pistons		MKP-6007A MK-6007A	MKP-1007A MK-1007A	
	87	VIN Code "R"; Exh. pipe packing not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6007A	505-1007A	

(continued on next page)

GM Car

26 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-77

(cont.) VIN Codes "F" 1982-83, "R" 1980-92, "S" 1983, "U" 1985-91, "V" 1977-80, "1" 1978-79, "2" 1982-86, "5" 1979-83, "9" 1978-79

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. MKP-6008A MK-6008A	ECONOMY KIT NO. MKP-1008A MK-1008A	K I T S
	YEARS	DESCRIPTION				
	87	VIN Code "U"; w/A/T; Exh. pipe packing not incl.; w/gear driven cam; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons			
87	VIN Code "U"; w/A/T; Exh. pipe packing not incl.; w/gear driven cam; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6008A	505-1008A		

27 2.5L 153 OHV L4 (Chevrolet), 3.875" Bore 1970-62

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Gear Set	70-65	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
	1	Gear Set	64-62	221-2523S	Incl. (1) 221-2522, (1) 221-2537	
	1	Crank Gear	70-62	221-2537	27 Teeth	
	1	Cam Gear	70-65	221-2524	Alum.; 54 Teeth	
	1	Cam Gear	64-62	221-2522	Alum.; 54 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	69-62	CS-708	Chevy II	
	8	Lifter	70-62	HT-817 Std Only	Hyd.	
	8	Lifter, Bulk	70-62	HT-817B Std Only	Hyd.; Carton of 128	
	1	Prelube	69-62	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-62	KC-708A	Chevy II; Hyd.; Incl. (1) CS-708, (8) HT-817, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	70-62	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	8	Push Rod	70-62	RP-3180	9.6800" O.A.L.	
	8	Push Rod, Bulk	70-62	BRP-3180	Carton of 100; 9.6800" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	70-62	R-832	Incl. arm, ball & nut	
	8	Arm Assy., Bulk	70-62	R-832B	Incl. arm, ball & nut; Carton of 64	
	8	Arm	70-62	R-832A		
	8	Pivot Ball	70-62	MR-1780		
	8	Nut	70-62	MR-1751	Self-locking, 3/8" x 24 threads	
	8	Stud	70-62	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	8	Stud	70-62	MR-1949	3/8" x 24 x 2.495"	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	70-62	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	4	Exhaust	70-62	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	4	Exhaust, Bulk	70-62	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	4	Intake	70-62	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
	4	Intake, Bulk	70-62	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	70	VS-521	Incl. damper; 2.1090" Free Height	
	8	Spring	69-68	VS-677	Incl. damper; 2.0300" Free Height	
	8	Spring	67-62	VS-521	W/Rotocaps; Incl. damper; 2.1090" Free Height	
	8	Spring, Bulk	69-68	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	1	Valve Stem Seal	70-62	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	1	Valve Stem Seal Bulk	70-62	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	70-62	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth	
	4	Exh.	70-62	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth	
	4	Int.	70-62	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	8	Keeper	70-62	VK-115	1 groove; Square cut key groove	
	8	Keeper	70-62	VK-115R	1 groove; Square cut key groove; Hardened	
	8	Keeper, Bulk	70-62	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	8	Spring Insert	70-62	259-203C	.015"; Carton of 100	
	8	Spring Insert	70-62	259-203B	.030"; Carton of 100	
	8	Spring Insert	70-62	259-203BRS	.030"; Carton of 500	
	8	Spring Insert	70-62	259-203A	.060"; Carton of 100	
	8	Spring Insert	70-62	259-203ARS	.060"; Carton of 500	
	4	Rotocap	67-62	RC-157S		

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2.5L 153 OHV L4 (Chevrolet), 3.875" Bore 1970-62 **27**
(cont.)

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Cast Piston	70-62	1108P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs	
	4	Cast Piston	70-62	1108NP * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	
	4	Cast Piston - Individual	70-62	W1108NP30 * 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	
	4	Pin	70-62	P-2208 Std-3-5-0015		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	70-62	E-450K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	70-62	E-450X Std-20-30-40-60	2-5/64, 1-3/16	
	4	Premium Single Cylinder Set	70-62	WE-450K Std-20-30-40-60	2-5/64, 1-3/16	
	4	Standard Single Cylinder Set	70-62	WE-450X Std-20-30-40-60	2-5/64, 1-3/16	
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Repair Sleeve	70-62	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	70-62	4123MA Std-1-10-20-30	A-Series aluminum bearings	
	1	Rod Set	70-62	4-2020CP Std-1-10-20-30-40		
	4	Rod Pair	70-62	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	70-62	1202M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	70-62	224-4147		
	1	Oil Pump	70-62	224-4157	High Volume, check pan for clearance	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	70-68	260-1231		
	1	Kit Gasket Set	67-62	260-1230		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	70-62	381-8006		
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	70-68			Re-ring	205-6010	
	70-68	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-6010M	
	67-62			Re-ring	205-6009	
	67-62	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-6009M	
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	69-68	Chevy II		Master w/o Rods & Mains	505-6010A	
	69-68	Chevy II; Incl. A-Series aluminum bearings		Master Master w/o Pistons	MKP-6010A MK-6010A	
KITS	67-65	Chevy II		Master w/o Rods & Mains	505-6009A	KITS
	67-65	Chevy II; Incl. A-Series aluminum bearings		Master Master w/o Pistons	MKP-6009A MK-6009A	

2.7L 164 OHV H6 (Corvair), 3.4375" Bore 1969-64 **28**

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	12	Lifter	69-64	HT-817 Std Only	Hyd.	
	12	Lifter, Bulk	69-64	HT-817B Std Only	Hyd.; Carton of 128	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	69-64	RP-3077	10.2850" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Pivot Ball	69-64	MR-1783		
	12	Nut	69-64	MR-1751	Self-locking, 3/8" x 24 threads	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	69-64	VG-6182	.3435" ID, 2.2200" O.A.L.	
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	12	Spring	69-64	VS-521	Incl. damper; 2.1090" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	69-64	MV-1903	Use w/repair guide; Positive type; Rubber	
	12	Valve Stem Seal	69-64	ST-2012	Use w/O.E. guide; Positive type; PTFE	
	12	Valve Stem Seal Bulk	69-64	ST-2012BC	Use w/O.E. guide; Positive type; Carton of 100; PTFE	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	24	Keeper	69-64	VK-115	1 groove; Square cut key groove	
	24	Keeper	69-64	VK-115R	1 groove; Square cut key groove; Hardened	

(continued on next page)

GM Car

28 2.7L 164 OHV H6 (Corvair), 3.4375" Bore 1969-64

(cont.)

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	24	Keeper, Bulk	69-64	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	6	Rotocap	69-64	RC-157S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Powerforged	69-65	L-2206F Std-20-30-40-60	Powerforged; 2-1/16", 1-1/8" Ring Groove, 1.584" CD, .8001" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	6	Forged Piston - Individual	69-65	WL-2206F Std-20-30-40-60	Powerforged; 2-1/16", 1-1/8" Ring Groove, 1.584" CD, .8001" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	69-64	E-227K Std-20-30-40-60	2-1/16, 1-1/8	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	6	Repair Sleeve	69-64	SL-14M Std Only	3/32" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	69-64	4063M Std-10	Full flanged brgs.	
	1	Rod Set	69-64	6-2385CP Std-10		
	6	Rod Pair	69-64	2385CP Std-10		

29 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80

VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, "9" 1985-88

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	89-87	KT3-372S	VIN Code "W"; Incl. chain 9 links wide; Incl. (1) 222-372, (1) 223-619, (1) 223-620	
	1	3 Piece Set	89-87	KT3-368S	VIN Codes "S" & "9"; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	89-87	KT3-373S	VIN Codes "S" & "9"; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	86-85	KT3-373S	Exc. Cavalier, Cimarron & Firenza; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	86-85	KT3-368S	Exc. VIN Code "W"; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	86-85	KT3-372S	VIN Code "W"; Incl. chain 9 links wide; Incl. (1) 222-372, (1) 223-619, (1) 223-620	
	1	3 Piece Set	84-80	KT3-368S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	84-80	KT3-373S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	Timing Chain	89-87	222-368	VIN Codes "S" & "9"; 11 links wide; 64 Links	
	1	Timing Chain	89-85	222-372	VIN Code "W"; 9 links wide; 64 Links	
	1	Timing Chain	86-85	222-368	Exc. Cavalier, Cimarron & Firenza; 11 links wide; 64 Links	
	1	Timing Chain	86-85	222-372	VIN Code "W"; Cavalier, Cimarron & Firenza; 9 links wide; 64 Links	
	1	Timing Chain	84-80	222-368	11 links wide; 64 Links	
	1	Chain Damper	89-87	222-59CT	VIN Codes "S" & "9"	
	1	Chain Damper	89-85	222-59CTN	VIN Code "W"	
	1	Chain Damper	88-80	222-59CT		
	1	Chain Damper	86-85	222-59CT	Exc. Cavalier, Cimarron & Firenza	
	1	Chain Damper	86-85	222-59CTN	VIN Code "W"; Cavalier, Cimarron & Firenza	
	1	Crank Sprocket	89-87	223-511	VIN Codes "S" & "9"; 20 Teeth	
	1	Crank Sprocket	89-85	223-619	VIN Code "W"; 20 Teeth	
	1	Crank Sprocket	88-80	223-511	20 Teeth	
	1	Crank Sprocket	86-85	223-511	Exc. Cavalier, Cimarron & Firenza; 20 Teeth	
	1	Crank Sprocket	86-85	223-619	VIN Code "W"; Cavalier, Cimarron & Firenza; 20 Teeth	
	1	Cam Sprocket	89-87	223-506	VIN Codes "S" & "9"; 40 Teeth	
	1	Cam Sprocket	89-85	223-620	VIN Code "W"; 40 Teeth	
	1	Cam Sprocket	88-80	223-506	40 Teeth	
	1	Cam Sprocket	86-85	223-506	Exc. Cavalier, Cimarron & Firenza; 40 Teeth	
	1	Cam Sprocket	86-85	223-620	VIN Code "W"; Cavalier, Cimarron & Firenza; 40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	89-87	CS-1539	VIN Codes "S", "W" & "9"	
	1	Camshaft	86-85	CS-715	VIN Code "X"	
	1	Camshaft	86-81	CS-1539	VIN Codes "L", "S", "W", "Z" & "9"	
	1	Camshaft	84-82	CS-715	VIN Codes "X" & "1"	
	1	Camshaft	81	CS-715	VIN Code "X"	
	1	Camshaft	80	CS-715	VIN Code "7"	
	1	Performance Cam	80	CS-1032R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 208 Int., 208 Exh.; Valve lift .4200" Int., .4200" Exh.; Lobe Separation 110 Degrees	
	12	Lifter	89-80	HT-2095 Std Only	Hyd.	

(continued on next page)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80 29
 VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, (cont.)
 "9" 1985-88

QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
12	Lifter, Bulk	89-80	HT-2095B Std Only	Hyd.; Carton of 128
1	Prelube	89-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	89-87	KC-1539	VIN Codes "S", "W" & "9"; Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	86-85	KC-715	VIN Code "X"; Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	86-81	KC-1539	VIN Codes "L", "S", "W", "Z" & "9"; Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	84-82	KC-715	VIN Codes "X" & "1"; Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	81	KC-715	VIN Code "X"; Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	80	KC-1032R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 208 Int., 208 Exh.; Valve lift .410" Int., .420" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1032R, (12) HT-2095, (1) 55-403B
1	Cam/Lifter Kit	80	KC-715	VIN Code "7"; Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-87	KCT-1539	VIN Code "W"; Hyd.; Incl. chain 9 links wide; Incl. (1) CS-1539, (12) HT-2095, (1) KT3-372S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-85	KCT-1539	VIN Code "W"; Hyd.; Incl. chain 9 links wide; Incl. (1) CS-1539, (12) HT-2095, (1) KT3-372S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-85	KCT-715	VIN Code "X"; Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-82	KCT-715	VIN Codes "X" & "1"; Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B
1	Cam/Lifter/Timing Kit	81	KCT-715	VIN Code "X"; Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B
1	Cam/Lifter/Timing Kit	80	KCT-715	VIN Code "7"; Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	89	RP-3207	VIN Code "S"; 6.1630" O.A.L.
6	Push Rod	89-87	RP-3274	Exh.; VIN Code "W"; w/Alum. heads; 6.3890" O.A.L.
6	Push Rod	89-87	RP-3273	Int.; VIN Code "W"; w/Alum. heads; 6.0420" O.A.L.
12	Push Rod	88-87	RP-3207	VIN Codes "S" & "9"; 6.1630" O.A.L.
12	Push Rod	86-80	RP-3207	6.1630" O.A.L.
12	Push Rod, Bulk	89	BRP-3207	VIN Code "S"; Carton of 100; 6.1630" O.A.L.
6	Push Rod, Bulk	89-87	BRP-3274	Exh.; VIN Code "W"; w/Alum. heads; Carton of 100; 6.3890" O.A.L.
6	Push Rod, Bulk	89-87	BRP-3273	Int.; VIN Code "W"; w/Alum. heads; Carton of 100; 6.0420" O.A.L.
12	Push Rod, Bulk	88-87	BRP-3207	VIN Codes "S" & "9"; Carton of 100; 6.1630" O.A.L.
12	Push Rod, Bulk	86-80	BRP-3207	Carton of 100; 6.1630" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	89-85	R-881	Adj.; NOTE: To convert VIN Code "W" non-adj. rocker arm to adj.; Use w/MR-1883 stud; Incl. arm, ball & nut
12	Arm Assy., Bulk	89-85	R-881B	Adj.; NOTE: To convert VIN Code "W" non-adj. rocker arm to adj.; Use w/MR-1883 stud; Incl. arm, ball & nut; Carton of 64
12	Arm	89-85	R-881A	Adj.; NOTE: To convert VIN Code "W" non-adj. rocker arm to adj.; Use w/MR-1883 stud
12	Pivot Ball	89-80	MR-1838	Non-Adj.
12	Nut	89-87	MR-1937	Adj.
12	Nut	89-80	MR-1837	Adj.
12	Stud	89-87	MR-1883	Adj.
12	Stud	86-80	MR-1883	Adj.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	89-87	V-2431 Std-15	VIN Code "W"; Chrome plated stem; 1.4250" Head Dia., .3136" Stem Dia., 4.7360" O.A.L.
6	Exhaust	89-87	V-2290 Std-15	VIN Codes "S" & "9"; Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
6	Exhaust	86-84	V-2290 Std-15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
6	Exhaust	86-84	V-2172 Std Only	VIN Codes "X" & "1"; Chrome plated stem; 1.3070" Head Dia., .3413" Stem Dia., 4.7300" O.A.L.
6	Exhaust	83-82	V-2290 Std-15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
6	Exhaust	83-82	V-2172 Std Only	VIN Codes "X" & "1"; Chrome plated stem; 1.3070" Head Dia., .3413" Stem Dia., 4.7300" O.A.L.

(continued on next page)

GM Car

29 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80

(cont.) VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, "9" 1985-88

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
6	Exhaust	81-80	V-2172 Std Only	Chrome plated stem; 1.3070" Head Dia., .3413" Stem Dia., 4.7300" O.A.L.
6	Exhaust, Bulk	89-87	V-2431B15 15	VIN Code "W"; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3286" Stem Dia., 4.7360" O.A.L.
6	Exhaust, Bulk	89-87	V-2290B15 15	VIN Codes "S" & "9"; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6	Exhaust, Bulk	86-84	V-2290B15 15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6	Exhaust, Bulk	83-82	V-2290B15 15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6	Intake	89-87	V-2432 Std-15	VIN Code "W"; Chrome plated stem; 1.7180" Head Dia., .3140" Stem Dia., 4.7050" O.A.L.
6	Intake	89-87	V-2291 Std-15	VIN Codes "S" & "9"; Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
6	Intake	86-84	V-2291 Std-15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
6	Intake	86-84	V-2173 Std-15	VIN Codes "X" & "1"; Chrome plated stem; 1.5980" Head Dia., .3410" Stem Dia., 4.6970" O.A.L.
6	Intake	83-82	V-2291 Std-15	VIN Code "Z"; Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
6	Intake	83-82	V-2173 Std-15	VIN Codes "X" & "1"; Chrome plated stem; 1.5980" Head Dia., .3410" Stem Dia., 4.6970" O.A.L.
6	Intake	81-80	V-2173 Std-15	Chrome plated stem; 1.5980" Head Dia., .3410" Stem Dia., 4.6970" O.A.L.
6	Intake, Bulk	89-87	V-2432B15 15	VIN Code "W"; Chrome plated stem; Carton of 25; 1.7180" Head Dia., .3290" Stem Dia., 4.7060" O.A.L.
6	Intake, Bulk	89-87	V-2291B15 15	VIN Codes "S" & "9"; Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.
6	Intake, Bulk	86-84	V-2291B15 15	VIN Codes "S", "W", "Z" & "9"; Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.
6	Intake, Bulk	86-84	V-2173B15 15	VIN Codes "X" & "1"; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3563" Stem Dia., 4.7000" O.A.L.
6	Intake, Bulk	83-82	V-2291B15 15	VIN Code "Z"; Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.
6	Intake, Bulk	83-82	V-2173B15 15	VIN Codes "X" & "1"; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3563" Stem Dia., 4.7000" O.A.L.
6	Intake, Bulk	81-80	V-2173B15 15	Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3563" Stem Dia., 4.7000" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	89-80	VG-1377	Exh. & Int.; w/Alum. heads; Incl. lock ring; Threaded; .3155" ID, 2.0850" O.A.L.
12	Guide	89-80	VG-5080	Exh. & Int.; w/Cast iron head; .3440" ID, 2.0000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	89	VS-798	Exh. & Int.; VIN Code "S"; 1.9100" Free Height
12	Spring	89-87	VS-909	Exh. & Int.; VIN Code "W"; 2.1530" Free Height
12	Spring	88-87	VS-798	Exh. & Int.; VIN Codes "S" & "9"; 1.9100" Free Height
12	Spring	86-81	VS-798	Exh. & Int.; 1.9100" Free Height
12	Spring	80	VS-727	Exh. & Int.; Incl. damper; 1.9100" Free Height
12	Spring, Bulk	89	VS-798B	Exh. & Int.; VIN Code "S"; Carton of 250; 1.9100" Free Height
12	Spring, Bulk	88-87	VS-798B	Exh. & Int.; VIN Codes "S" & "9"; Carton of 250; 1.9100" Free Height
12	Spring, Bulk	86-81	VS-798B	Exh. & Int.; Carton of 250; 1.9100" Free Height
12	Spring, Bulk	80	VS-727B	Exh. & Int.; Incl. damper; Carton of 250; 1.9100" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	89-87	ST-2043	Exh.; VIN Code "W"; Positive type; Rubber
6	Valve Stem Seal	89-87	ST-2087	Int.; VIN Code "W"; Positive type; Viton®
12	Valve Stem Seal	89-87	MV-1888C	Exh. & Int.; VIN Code "S"; Positive type; Viton®
12	Valve Stem Seal	89-80	MV-1233C	Exh. & Int.; O-Ring; Rubber
12	Valve Stem Seal	86-85	MV-1888C	Exh. & Int.; VIN Codes "W" & "X"; Positive type; Viton®
6	Valve Stem Seal Bulk	89-87	ST-2043B	Exh.; VIN Code "W"; Positive type; Carton of 1000; Rubber
12	Valve Stem Seal Bulk	89-87	MV-1888	Exh. & Int.; VIN Code "S"; Positive type; Carton of 50; Viton®
12	Valve Stem Seal Bulk	89-80	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	86-85	MV-1888	Exh. & Int.; VIN Codes "W" & "X"; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	89-80	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
6	Exh.	89-80	245-1437-3N Std Only	Use w/V-2172; Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth

(continued on next page)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80 29
 VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, (cont.)
 "9" 1985-88

VALVE TRAIN	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Exh.	89-80	245-1437-3 Std Only	Use w/V-2172; 1.4425" OD, 1.1880" ID, .2160" Depth
	6	Exh.	89-80	245-1500-1 Std Only	Use w/V-2290 & V-2431; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	89-80	245-1687-2N Std Only	Use w/V-2173; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	6	Int.	89-80	245-1687-2 Std Only	Use w/V-2173; 1.6925" OD, 1.4375" ID, .2160" Depth
	6	Int.	89-80	245-1812-4N Std Only	Use w/V-2291 & V-2432; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	6	Int.	89-80	245-1812-4 Std Only	Use w/V-2291 & V-2432; 1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	89-87	VK-115	VIN Code "S"; 1 groove; Square cut key groove
	24	Keeper	89-87	VK-115R	VIN Code "S"; 1 groove; Square cut key groove; Hardened
	24	Keeper	89-87	VK-216	VIN Code "W"; 1 groove
	24	Keeper	86-80	VK-115	1 groove; Square cut key groove
	24	Keeper	86-80	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	89-87	VK-115B	VIN Code "S"; 1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	89-87	VK-216B	VIN Code "W"; 1 groove; Carton of 1000
	24	Keeper, Bulk	86-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	86-80	259-201B	.030"; Carton of 100
	12	Spring Insert	86-80	259-201A	.060"; Carton of 100
	12	Spring Insert	86-80	259-201ARS	.060"; Carton of 500
	6	Rotocap	82-80	RC-157S	Exh.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	89-88	516CP.50MM .50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
	6	Cast Piston	89-88	516P Std-.50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
	6	Cast Piston	89-88	545CP.75MM .75MM	VIN Code "W"; Use w/E-478K or E-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .265" deep x 2.775" dia.;
	6	Cast Piston	89-88	545P Std-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; Use w/E-478K or E-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .265" deep x 2.775" dia.
	6	Cast Piston	87	531CP1.00MM 1.00MM	VIN Code "W"; Use w/E-478K or E-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .250" deep x 2.660" dia. w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.;
	6	Cast Piston	87	531P Std-.50-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; Use w/E-478K or E-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .250" deep x 2.660" dia. w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
	6	Cast Piston	87-86	516CP.50MM .50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
	6	Cast Piston	87-86	516P Std-.50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
	6	Cast Piston	86	464CP Std-.50-.75-1.00-1.50MM	VIN Code "W"; 8.9:1 C.R.; Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head;
	6	Cast Piston	86	464P Std-.50-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; 8.9:1 C.R.; Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
	6	Cast Piston	85	516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston

(continued on next page)

GM Car

29 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80

(cont.) VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, "9" 1985-88

B	BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B	BLOCK
		6	Cast Piston	85	516P Std-.50-.75-1.00-1.50MM	VIN Code "W"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.		
		6	Cast Piston	85-80	464CP Std-.50-.75-1.00-1.50MM	VIN Code "W"; 8.9:1 C.R.; Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head;		
		6	Cast Piston	85-80	464P Std-.50-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; 8.9:1 C.R.; Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head		
		6	Cast Piston - Individual	89-88	W516P Std-.50-.75-1.00-1.50MM	VIN Code "S"; Use w/WE-432K or WE-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.		
		6	Cast Piston - Individual	89-88	W516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 1-1.75mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston		
		6	Cast Piston - Individual	89-88	W545CP.75MM .75MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .265" deep x 2.775" dia.;		
		6	Cast Piston - Individual	89-88	W545P Std-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .265" deep x 2.775" dia.		
		6	Cast Piston - Individual	87	W531P Std-.50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.598" CD, .9055" Pin Dia., Recessed Head .250" deep x 2.660" dia. w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.		
		6	Cast Piston - Individual	87-86	W516P Std-.50-.75-1.00-1.50MM	VIN Code "S"; Use w/WE-432K or WE-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.		
		6	Cast Piston - Individual	87-86	W516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 1-1.75mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston		
		6	Cast Piston - Individual	86	W464CP Std-.50-.75-1.00-1.50MM	VIN Code "W"; 8.9:1 C.R.; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head;		
		6	Cast Piston - Individual	86	W464P Std-.50-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; 8.9:1 C.R.; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head		
		6	Cast Piston - Individual	85	W516P Std-.50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-432K or WE-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.		
		6	Cast Piston - Individual	85	W516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 1-1.75mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston		
		6	Cast Piston - Individual	85-80	W464CP Std-.50-.75-1.00-1.50MM	VIN Code "W"; 8.9:1 C.R.; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head;		
		6	Cast Piston - Individual	85-80	W464P Std-.50-.75-1.00-1.50MM	DurOshield® skirt coated piston VIN Code "W"; 8.9:1 C.R.; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head		
		1	Cast Piston Set w/Prem. Rings	86	6K464CP.75MM .75-1.00MM	VIN Code "W"; 8.9:1 C.R.; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, 23.0mm Pin Dia., Flat Head; DurOshield® skirt coated piston		
		1	Cast Piston Set w/Prem. Rings	85-80	6K464CP.75MM .75-1.00MM	VIN Code "W"; 8.9:1 C.R.; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, 23.0mm Pin Dia., Flat Head; DurOshield® skirt coated piston		
B	BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B	BLOCK
		1	Premium Set	89	E-432K Std-.50-.75-1.00-1.50MM	VIN Code "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove		

(continued on next page)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80 29
 VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, (cont.)
 "9" 1985-88

QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
1	Premium Set	89	E-478K Std.-50-.75-1.00-1.50MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
1	Premium Set	88-87	E-478K Std.-50-.75-1.00-1.50MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
1	Premium Set	88-87	E-432K Std.-50-.75-1.00-1.50MM	VIN Codes "9" & "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Premium Set	86-85	E-432K Std.-50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Premium Set	84-82	E-411K Std.-50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Premium Set	84-82	E-411KC Std.-50-.75-1.00MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Premium Set	81	E-411K Std.-50-.75-1.00-1.50MM	2nd design; w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Premium Set	81	E-411KC Std.-50-.75-1.00MM	2nd design; w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Standard Set	89	E-432X Std.-50-.75-1.00-1.50MM	VIN Code "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Standard Set	89	E-478X Std.-50-.75-1.00-1.50MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
1	Standard Set	88-87	E-478X Std.-50-.75-1.00-1.50MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
1	Standard Set	88-87	E-432X Std.-50-.75-1.00-1.50MM	VIN Codes "9" & "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Standard Set	86-85	E-432X Std.-50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Standard Set	84-82	E-411X Std.-50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Standard Set	81	E-411X Std.-50-.75-1.00-1.50MM	2nd design; w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
6	Premium Single Cylinder Set	89	WE-432K Std.-50-.75-1.00-1.50MM	VIN Code "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Premium Single Cylinder Set	89	WE-478K Std.-50-.75-1.00MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	88-87	WE-478K Std.-50-.75-1.00MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	88-87	WE-432K Std.-50-.75-1.00-1.50MM	VIN Codes "9" & "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Premium Single Cylinder Set	86-85	WE-432K Std.-50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Premium Single Cylinder Set	84-82	WE-411K Std.-50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
6	Premium Single Cylinder Set	81	WE-411K Std.-50-.75-1.00-1.50MM	2nd design; w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
6	Standard Single Cylinder Set	89	WE-432X Std.-50-.75-1.00-1.50MM	VIN Code "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Standard Single Cylinder Set	89	WE-478X Std.-50-.75-1.00MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
6	Standard Single Cylinder Set	88-87	WE-478X Std.-50-.75-1.00MM	VIN Code "W"; 2-1.50MM, 1-4.00MM
6	Standard Single Cylinder Set	88-87	WE-432X Std.-50-.75-1.00-1.50MM	VIN Codes "9" & "S"; w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Standard Single Cylinder Set	86-85	WE-432X Std.-50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Standard Single Cylinder Set	84-82	WE-411X Std.-50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
6	Standard Single Cylinder Set	81	WE-411X Std.-50-.75-1.00-1.50MM	2nd design; w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-86	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
1	Main Set	89-86	7242MA Std.-25-.50-.75-1.00MM	A-Series aluminum bearings ; 3/4 grooved
1	Main Set	85	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
1	Main Set	85-80	5090MA Std.-25-.50-.75-1.00MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size
1	Main Set	85-80	7243MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size; .50MM O/S length flange brg.
1	Main Set	85-80	7241MA Std.-25-.50-.75MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size; 3/4 grooved
1	Rod Set	89-80	6-4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
1	Rod Set	89-80	6-4020A25X2 25X2-.50X2-.75X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
6	Rod Pair	89-80	4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings

(continued on next page)

GM Car

29 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80

(cont.) VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, "9" 1985-88

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Rod Pair	89-80	4020P + Std-.026MM	When depleted use 4020A	
	1	Cam Set	89-80	1492M Std Only	Full round design	
	1	Cam Set	89-80	1785M Std Only	O.E. split type design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	89-80	224-43389V	High Volume, check pan for clearance; Incl. shaft & screen	
	1	Oil Pump	89-80	224-4148V	High Volume, check pan for clearance; 5/8" inlet	
	1	Oil Pump	89-80	224-4148	5/8" inlet	
	1	Pump Repair Kit	89-80	224-51317		
	1	Inter. Shaft	89-80	224-6148		
BLOCK	1	Oil Pump Shaft Guide	89-80	224-43351	Nylon	BLOCK
	1	Screen Assy.	89-87	224-1348	VIN Code "S"; 5/8" inlet tube	
	1	Screen Assy.	89-87	224-1248	VIN Codes "W" & "9"; 5/8" inlet	
	1	Screen Assy.	86	224-1148	Exc. VIN Codes "L", "S", "1" & "9"	
	1	Screen Assy.	86	224-1348	VIN Codes "L", "S", "1" & "9"; 5/8" inlet tube	
	1	Screen Assy.	85-82	224-1148	Exc. VIN Codes "L", "S" & "1"	
	1	Screen Assy.	85-82	224-1348	VIN Codes "L", "S" & "1"; 5/8" inlet tube	
	1	Screen Assy.	81	224-1348	VIN Code "Z"; 5/8" inlet tube	
	1	Screen Assy.	80	224-1348	VIN Code "7"; 5/8" inlet tube	
	1	Tool	89-80	MT-J21882	Pump screen installation tool for 5/8" tube	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Kit Gasket Set	89	260-1233	Exc. VIN Code "S"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89-87	260-1232	VIN Code "S"; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88-87	260-1233	Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86-85	260-1144	VIN Codes "S" & "W"; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1143	VIN Codes "B" & "X"; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	84-80	260-1123	Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	89	260-4028	Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.	
	1	Valley Pan Gasket Set	88-87	260-4028	Exc. Camaro, Firebird & Fiero; Upper set incl.	
	1	Head Bolt Set	89	260-2534	VIN Code "W"; Century, Regal, Celebrity, Cutlass Ciera, Cutlass Supreme, 6000, Firebird, Grand Prix & Tempest; Replacement recommended	
KITS	1	Head Bolt Set	89-87	260-2532	VIN Code "W"; Beretta, Cavalier & Corsica; Replacement recommended	KITS
	1	Head Bolt Set	88-87	260-2534	VIN Code "W"; Century, Regal, Cimarron, Celebrity, Cutlass Ciera, Cutlass Supreme, Firenza, 6000, Fiero, Firebird, Grand Prix & Tempest; Replacement recommended	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-80	381-8046		
	1	Steel Block Plug Kit	89-80	381-4012		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-87	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6296	205-1296
	89-87	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.		Re-ring w/Mains	205-6296M	205-1296M
	89-87	VIN Code "W"; Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Re-ring w/Mains	205-6297M	205-1297M

(continued on next page)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80 **29**
 VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, (cont.)
 "9" 1985-88

K I T S	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	89-87	VIN Code "W"; Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring 205-6297	205-1297	
	86	VIN Codes "S" & "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.	Re-ring w/Mains 205-728AM	205-228AM	
	86	VIN Codes "S" & "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-728A	205-228A	
	85	VIN Codes "B" & "X"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains 205-727M	205-227M	
	85	VIN Codes "B" & "X"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-727A	205-227A	
	85	VIN Codes "S" & "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; w/2.4937/2.4946" std. shaft size	Re-ring w/Mains 205-728M	205-228M	
	85	VIN Codes "S" & "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-728A	205-228A	
	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains 205-699M	205-199M	
	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-699	205-199	
	81	2nd design; Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains 205-699M	205-199M	
	81	2nd design; Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring 205-699	205-199	
K I T S	OVERHAUL KIT		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	89-87	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains 505-6011A	505-1011A	
	89-87	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons MKP-6011B MK-6011B	MKP-1011B MK-1011B	
	89-87	VIN Code "W"; Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Master w/o Pistons MK-6012E	MK-1012E	
	89-87	VIN Code "S"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs BKP-6015	-----	
	89-87	VIN Code "S"; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Block BK-6016	-----	

(continued on next page)

GM Car

29 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80

(cont.) VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, "9" 1985-88

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	87	VIN Code "W"; Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Rods & Mains	505-6012A	505-1012A
	87	VIN Code "W"; Exc. Camaro, Firebird & Fiero; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master	MKP-6012E	MKP-1012E
	86	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-728E	505-228E
	86	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-728L MK-728L	MKP-228L MK-228L
	86	VIN Code "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Pistons	MK-728N	MK-228N
	85	VIN Code "X"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons	MK-727H	MK-227H
	85	VIN Code "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Rods & Mains	505-728G	505-228G
	85	VIN Code "S"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons	MK-728K	MK-228K
	85	VIN Code "W"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 9 links wide	Master Master w/o Pistons	MKP-728M MK-728M	MKP-228M MK-228M
	84-82	VIN Code "W"; Exh. pipe packing not incl.; 8.9:1 C.R.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-699C	505-199C
	84-82	VIN Codes "X" & "1"; w/Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master w/o Pistons	MK-699D	MK-199D
	84-82	VIN Code "W"; Exh. pipe packing not incl.; 8.9:1 C.R.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide; Incl. 464P piston	Master	MKP-699E	MKP-199E
	84-82	VIN Codes "L", "S", "W", "Z" & "9"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master w/o Pistons	MK-699E	MK-199E
	81	VIN Code "W"; 2nd design; Exh. pipe packing not incl.; 8.9:1 C.R.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-699C	505-199C

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2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1989-80 29					
VIN Codes "L" 1983-84, "S" 1985-89, "W" 1985-89, "X" 1981-86, "Z" 1981-84, "1" 1982-84, "7" 1980, (cont.) "9" 1985-88					
KITS	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	81	VIN Code "X"; 2nd design; w/Deep oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master w/o Pistons	MK-699D	MK-199D
	81	VIN Code "W"; 2nd design; Exh. pipe packing not incl.; 8.9:1 C.R.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide; Incl. 464P piston	Master	MKP-699E	MKP-199E
	81	VIN Codes "L", "S", "W", "Z" & "9"; 2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master w/o Pistons	MK-699E	MK-199E
3.0L 181 OHV V6 (Buick), 3.8" Bore 1988-82 30					
VIN Codes "E" 1982-85, "L" 1985-88					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	88-85	KT3-359SA2	VIN Code "L"; Incl. crank sprocket w/double flats & 36MM balancer hub; Incl. (1) 222-359, (1) 223-610, (1) 223-621
	1	3 Piece Set	85-82	KT3-359SA1	VIN Code "E"; Incl. (1) 222-359, (1) 223-323, (1) 223-610
	1	Timing Chain	88-82	222-359	54 Links
	1	Timing Chain Tensioner	88-85	222-175CT	VIN Code "L"
	1	Timing Chain Tensioner	85-82	222-44CT	R.H.; VIN Code "E"; Incl. spring
	1	Crank Sprocket	88-85	223-621	VIN Code "L"; Crank sprocket w/double flats & 36MM balancer hub; 20 Teeth
	1	Crank Sprocket	85-82	223-323	VIN Code "E"; 20 Teeth
	1	Cam Sprocket	88-82	223-610	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	88-87	CS-813	VIN Code "L"
	1	Camshaft	85-82	CS-702	VIN Code "E"
	1	Thrust Button	88-82	MR-1874	Steel button
	12	Lifter	88-82	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	12	Lifter, Bulk	88-82	HT-969B Std Only	Hyd.; Carton of 128
	1	Prelube	88-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	88-87	KC-813	VIN Code "L"; Hyd.; Incl. (1) CS-813, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	85-82	KC-702	VIN Code "E"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-813	VIN Code "L"; Hyd.; Incl. crank sprocket w/double flats & 36mm balancer hub; Incl. (1) CS-813, (12) HT-969, (1) KT3-359SA2, (1) 55-403B	
1	Cam/Lifter/Timing Kit	85-82	KCT-702	VIN Code "E"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12	Push Rod	88-85	RP-3256	VIN Code "L"; 7.2600" O.A.L.	
12	Push Rod	85-82	RP-3213R	VIN Code "E"; Chrome-Moly; 8.6900" O.A.L.	
12	Push Rod	85-82	RP-3164	VIN Code "E"; 8.6930" O.A.L.	
12	Push Rod	85-82	RP-316435	VIN Code "E"; 8.7280" O.A.L.	
12	Push Rod	85-82	RP-316460	VIN Code "E"; 8.7530" O.A.L.	
12	Push Rod, Bulk	88-85	BRP-3256	VIN Code "L"; Carton of 100; 7.2600" O.A.L.	
12	Push Rod, Bulk	85-82	BRP-3164	VIN Code "E"; Carton of 100; 8.6930" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
12	Arm Assy.	85-82	R-947	VIN Code "E"; Rocker arm w/on-center push rod socket; Incl. arm & retainer	
6	Arm Assy.	85-82	R-870	Left; VIN Code "E"; Incl. arm & retainer; Stamped steel	
6	Arm	85-82	R-870W	L.H.; VIN Code "E"; Stamped steel	
12	Pivot	88-85	MR-1885	VIN Code "L"; Pedestal type pivot; w/.375" ID hole	
12	Retainer	85-82	MR-1829	VIN Code "E"	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust	88-82	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.	
6	Exhaust, Bulk	88-82	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.	

(continued on next page)

GM Car

30 3.0L 181 OHV V6 (Buick), 3.8" Bore 1988-82

(cont.) VIN Codes "E" 1982-85, "L" 1985-88

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Intake	88-82	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	88-82	VG-5071	Exh.; Cut to fit; .3440" ID, 2.6250" O.A.L.
	6	Guide	85-82	VG-5061	Int.; .3430" ID, 2.3800" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	88-85	MV-1888A	Positive type; Viton®
	12	Valve Stem Seal Bulk	88-85	MV-1888	Positive type; Carton of 50; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	88-82	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
BLOCK	6	Exh.	88-82	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	88-82	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	88-82	VK-115	1 groove; Square cut key groove
	24	Keeper	88-82	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	88-82	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	88-82	E-369K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	88-82	E-369X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	88-82	WE-369K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	6	Standard Single Cylinder Set	88-82	WE-369X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-82	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
	1	Main Set	88-82	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1	Rod Set	88-82	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Rod Set	88-82	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	88-82	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore
	6	Rod Pair	88-82	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Cam Set	88-86	1755M Std Only	Babbitt material
	1	Cam Set	85	1462M Std Only	VIN Code "E"; w/14 bolt oil pan; Babbitt material
BLOCK	1	Cam Set	85	1755M Std Only	VIN Code "E"; w/20 bolt oil pan; Babbitt material
	1	Cam Set	84-82	1462M Std Only	Babbitt material
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	88-86	224-51379	VIN Code "L"
	1	Pump Repair Kit	85	224-51379	VIN Code "L"; 2nd design
	1	Pump Repair Kit	85-82	224-518	VIN Code "E"; Gear type
	1	Screen Assy.	85-82	224-138	VIN Code "E"; For 5-3/8" deep oil pan
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	88	260-1465	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87-86	260-1236	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
BLOCK	1	Kit Gasket Set	85	260-1149	VIN Code "E"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	85	260-1236	VIN Code "L"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	84	260-1149	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	83	260-1032	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	83	260-1149	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	82	260-1032	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	88-85	260-4018	VIN Code "L"
	1	Valley Pan Gasket Set	85-82	260-4014	VIN Code "E"
	1	Head Bolt Set	88-86	260-2508	Replacement recommended
	1	Head Bolt Set	85	260-2514	VIN Code "L"; Replacement recommended
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	88-85	381-8073	
	1	Brass Block Plug Kit	84-82	381-8035	
	1	Steel Block Plug Kit	84-82	381-4023	

(continued on next page)

3.0L 181 OHV V6 (Buick), 3.8" Bore 1988-82 30

VIN Codes "E" 1982-85, "L" 1985-88 (cont.)

3.0L 181 OHV V6 (Buick), 3.8" Bore 1988-82 30					
VIN Codes "E" 1982-85, "L" 1985-88 (cont.)					
K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	88	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6138 205-6138M	205-1138 205-1138M
	87-86	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6015 205-6015M	205-1015 205-1015M
	85	VIN Code "L"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6015 205-6015M	205-1015 205-1015M
	85	VIN Code "E"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-724 205-724M	205-224 205-224M
	84	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-724 205-724M	205-224 205-224M
	83	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6083 205-6083M	205-1083 205-1083M
	83	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-724 205-724M	205-224 205-224M
	82	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6083 205-6083M	205-1083 205-1083M
K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	88	VIN Code "L"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. crank sprocket w/double flats & 36MM balancer hub	Master w/o Pistons	MK-6138A	MK-1138A
	87	VIN Code "L"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Oil pump kit not incl.; Incl. crank sprocket w/double flats & 36MM balancer hub	Master w/o Pistons	MK-6015D	MK-1015D
	85	VIN Code "E"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Pistons	MK-724F	MK-224F
	84	VIN Code "E"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Pistons	MK-724A	----
	83	VIN Code "E"; 1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons	MK-6083A	MK-1083A
	82	VIN Code "E"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons	MK-6083A	MK-1083A
3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88 31					
VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel)					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	90	KT3-368S	Camaro & Firebird; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	

(continued on next page)

GM Car

31 3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88
(cont.) VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel)

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90	KT3-373S	Camaro & Firebird; Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511
	1	3 Piece Set	90-88	KT3-372S	VIN Code "T"; Exc. Camaro & Firebird; Incl. chain 9 links wide; Incl. (1) 222-372, (1) 223-619, (1) 223-620
	1	Timing Chain	90	222-368	Camaro & Firebird; 11 links wide; 64 Links
	1	Timing Chain	90	222-372	Exc. Camaro; 9 links wide; 64 Links
	1	Timing Chain	90-89	222-372	VIN Code "T"; Exc. Camaro & Firebird; 9 links wide; 64 Links
	1	Chain Damper	90	222-59CT	Camaro & Firebird
	1	Chain Damper	90-88	222-59CTN	VIN Code "T"; Exc. Camaro & Firebird
	1	Crank Sprocket	90	223-511	Camaro & Firebird; 20 Teeth
	1	Crank Sprocket	90-89	223-619	VIN Code "T"; Exc. Camaro & Firebird; 20 Teeth
	1	Cam Sprocket	90	223-506	Camaro & Firebird; 40 Teeth
	1	Cam Sprocket	90-89	223-620	VIN Code "T"; Exc. Camaro & Firebird; 40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-88	CS-1539	VIN Code "T"
	12	Lifter	90-88	HT-2095 Std Only	VIN Code "T"; Hyd.
	12	Lifter, Bulk	90-88	HT-2095B Std Only	VIN Code "T"; Hyd.; Carton of 128
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-88	KC-1539	VIN Code "T"; Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-88	KCT-1539	VIN Code "T"; Exc. Camaro & Firebird; Hyd.; Incl. chain 9 links wide; Incl. (1) CS-1539, (12) HT-2095, (1) KT3-372S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	6	Push Rod	90-88	RP-3274	Exh.; Exc. Camaro & Firebird; 6.3890" O.A.L.
	12	Push Rod	90-88	RP-3207	Exh. & Int.; Camaro & Firebird; 6.1630" O.A.L.
	6	Push Rod	90-88	RP-3273	Int.; Exc. Camaro & Firebird; 6.0420" O.A.L.
	6	Push Rod, Bulk	90-88	BRP-3274	Exh.; Exc. Camaro & Firebird; Carton of 100; 6.3890" O.A.L.
	12	Push Rod, Bulk	90-88	BRP-3207	Exh. & Int.; Camaro & Firebird; Carton of 100; 6.1630" O.A.L.
	6	Push Rod, Bulk	90-88	BRP-3273	Int.; Exc. Camaro & Firebird; Carton of 100; 6.0420" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-88	R-881	Adj.; NOTE: To convert VIN Code "T" non-adj. rocker arm to adj.; Use w/MR-1883 stud; Incl. arm, ball & nut
	12	Arm Assy., Bulk	90-88	R-881B	Adj.; NOTE: To convert VIN Code "T" non-adj. rocker arm to adj.; Use w/MR-1883 stud; Incl. arm, ball & nut; Carton of 64
	12	Arm	90-88	R-881A	Adj.; NOTE: To convert VIN Code "T" non-adj. rocker arm to adj.; Use w/MR-1883 stud
	12	Pivot Ball	90-88	MR-1838	Non-Adj. Sunbird, Cavalier, Corsica & Beretta; Adj. Sunbird, Cavalier, Corsica & Beretta; Adj.
	12	Nut	90-88	MR-1937	
	12	Nut	90-88	MR-1837	
	12	Stud	90	MR-1883	
	12	Stud	89-88	MR-1883	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90	V-2431 Std-15	w/Alum. heads; Chrome plated stem; 1.4250" Head Dia., .3136" Stem Dia., 4.7360" O.A.L.
	6	Exhaust	90	V-2290 Std-15	Camaro & Firebird; w/Alum. heads; Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
	6	Exhaust	89-88	V-2431 Std-15	Chrome plated stem; 1.4250" Head Dia., .3136" Stem Dia., 4.7360" O.A.L.
	6	Exhaust, Bulk	90	V-2431B15 15	w/Alum. heads; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3286" Stem Dia., 4.7360" O.A.L.
VALVE TRAIN	6	Exhaust, Bulk	90	V-2290B15 15	Camaro & Firebird; w/Alum. heads; Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
	6	Exhaust, Bulk	89-88	V-2431B15 15	Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3286" Stem Dia., 4.7360" O.A.L.
	6	Intake	90	V-2291 Std-15	Camaro & Firebird; w/Alum. heads; Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
	6	Intake	90	V-2432 Std-15	VIN Code "T"; w/Alum. heads; Chrome plated stem; 1.7180" Head Dia., .3140" Stem Dia., 4.7050" O.A.L.
	6	Intake	89-88	V-2432 Std-15	Chrome plated stem; 1.7180" Head Dia., .3140" Stem Dia., 4.7050" O.A.L.
	6	Intake, Bulk	90	V-2291B15 15	Camaro & Firebird; w/Alum. heads; Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.

(continued on next page)

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88 31				
VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel) (cont.)				
VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.
	6	Intake, Bulk	90	V-2432B15 15
	6	Intake, Bulk	89-88	V-2432B15 15
	QTY	VALVE GUIDE	YEARS	PART NO.
	6	Guide	90-88	VG-5071
	12	Guide	90-88	VG-5080
	QTY	VALVE SPRING	YEARS	PART NO.
	12	Spring	90	VS-798
	12	Spring	90	VS-909
	12	Spring	89-88	VS-909
	12	Spring, Bulk	90	VS-798B
	QTY	VALVE SEAL	YEARS	PART NO.
	6	Valve Stem Seal	90	ST-2090
	6	Valve Stem Seal	90	ST-2087
	12	Valve Stem Seal	90-88	MV-1233C
	12	Valve Stem Seal Bulk	90-88	MV-1233
	QTY	VALVE SEAT	YEARS	PART NO.
	6	Exh.	90-88	245-1500-1N Std Only
	6	Exh.	90-88	245-1500-1 Std Only
	6	Int.	90-88	245-1812-4N Std Only
	6	Int.	90-88	245-1812-4 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	24	Keeper	90-88	VK-115
	24	Keeper	90-88	VK-115R
	24	Keeper	90-88	VK-216
	24	Keeper, Bulk	90-88	VK-115B
	24	Keeper, Bulk	90-88	VK-216B
BLOCK	QTY	PISTON	YEARS	PART NO.
	6	Cast Piston	90	H562CP Std-.50-.75-1.00-1.50MM
	6	Cast Piston	90	H561CP Std-.50-.75-1.00-1.50MM
	6	Cast Piston	90	H561P Std-.50-.75-1.00-1.50MM
	6	Cast Piston	89-88	H561CP Std-.50-.75-1.00-1.50MM
	6	Cast Piston	89-88	H561P Std-.50-.75-1.00-1.50MM
	6	Cast Piston - Individual	90	WH562CP Std-.50-.75-1.00-1.50MM
	6	Cast Piston - Individual	90	WH561CP Std-.50-.75-1.00-1.50MM
	6	Cast Piston - Individual	90	WH561P Std-.50-.75-1.00-1.50MM

(continued on next page)

GM Car

31 3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88 (cont.) VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel)

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
6	Cast Piston - Individual	89-88	WH561CP Std.-.50-.75-1.00-1.50MM	VIN Code "T"; Exc. Camaro & Firebird; Use w/WE-605K or WE-605X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.442" CD, .9055" Pin Dia., Recessed Head .265" deep x 3.000" dia.; DurOshield® skirt coated piston
6	Cast Piston - Individual	89-88	WH561P Std.-.50-.75-1.00-1.50MM	VIN Code "T"; Exc. Camaro & Firebird; Use w/WE-605K or WE-605X ring set; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.442" CD, .9055" Pin Dia., Recessed Head .265" deep x 3.000" dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-88	E-605K Std.-.50-.75-1.00-1.50MM	VIN Codes "M" & "T"; 2-1.50MM, 1-4.00MM
1	Standard Set	90-88	E-605X Std.-.50-.75-1.00-1.50MM	VIN Codes "M" & "T"; 2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	90-88	WE-605K Std.-.50-.75-1.00MM	VIN Codes "M" & "T"; 2-1.50MM, 1-4.00MM
6	Standard Single Cylinder Set	90-88	WE-605X Std.-.50-.75-1.00MM	VIN Codes "M" & "T"; 2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
1	Main Set	90-88	7242MA Std.-.25-.50-.75-1.00MM	A-Series aluminum bearings ; 3/4 grooved
1	Rod Set	90-88	6-4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
1	Rod Set	90-88	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
6	Rod Pair	90-88	4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
6	Rod Pair	90-88	4020P + Std.-.026MM	When depleted use 4020A
1	Cam Set	90-88	1492M Std Only	Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90	224-4148	VIN Code "T"; 1st design; 5/8" inlet
1	Oil Pump	90	224-4152	VIN Code "T"; 2nd design; 3/4" inlet
1	Oil Pump	90	224-4152V	VIN Code "T"; 2nd Design; High Volume, check pan for clearance; 3/4" inlet
1	Oil Pump	90	224-4148V	1st design; High Volume, check pan for clearance; 5/8" inlet
1	Oil Pump	89-88	224-4148	VIN Code "T"; Cutlass Calais, Cutlass Ciera, Cutlass Supreme, Grand Prix, Regal & 6000; 5/8" inlet
1	Oil Pump	89-88	224-4148V	VIN Code "T"; High Volume, check pan for clearance; 5/8" inlet
1	Pump Repair Kit	90-88	224-51317	Exc. High Volume
1	Inter. Shaft	90-88	224-6148	
1	Oil Pump Shaft Guide	90-88	224-43351	Nylon
1	Screen Assy.	90	224-1348	VIN Code "T"; 1st design; Camaro & Firebird; 5/8" inlet tube
1	Screen Assy.	90	224-1248	VIN Code "T"; 1st design; Exc. Camaro & Firebird; 5/8" inlet
1	Screen Assy.	90	224-14265	VIN Code "T"; 2nd design; Camaro & Firebird; 3/4" inlet tube
1	Screen Assy.	90	224-14271	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; 3/4" inlet
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90	260-1466	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90	260-1233	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	89-88	260-1233	VIN Code "T"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	90	260-4028	Exc. Camaro & Firebird; Upper set incl.
1	Valley Pan Gasket Set	89-88	260-4028	Upper set incl.
1	Head Bolt Set	90	260-2532	VIN Code "T"; Cavalier; Replacement recommended
1	Head Bolt Set	90-88	260-2534	VIN Code "T"; Exc. Camaro, Cavalier, & Firebird; Replacement recommended
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-88	381-8085	

(continued on next page)

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88 31
 VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel) (cont.)

RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
90	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6184	205-1184
90	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	Re-ring w/Mains	205-6184M	205-1184M
90	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6300M	205-1300M
90	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6300	205-1300
89-88	VIN Code "T"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6300M	205-1300M
89-88	VIN Code "T"; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6300	205-1300
OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
90	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Block	BK-6017	----
90	VIN Code "T"; Camaro & Firebird; 1st design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6017	----
90	VIN Code "T"; Camaro & Firebird; 2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6018	----
90	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6021	----
90	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Block	BK-6021	----
90	VIN Code "T"; 1st design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6022	----
90	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Rods & Mains	505-6183A	505-1183A

(continued on next page)

GM Car

31 3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88
 (cont.) VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide; Freeze plugs not incl.	Master w/o Pistons	MK-6183D	MK-1183D
	90	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. chain 9 links wide; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Master	MKP-6183D	MKP-1183D
	90	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; Oil pump & freeze plugs not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-6184C MK-6184C	MKP-1184C MK-1184C
	90	VIN Code "T"; Camaro & Firebird; Exh. pipe packing not incl.; Oil pump & freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. chain 11 links wide	Master w/o Rods & Mains	505-6184C	505-1184C
	90	VIN Code "T"; 1st design; Camaro & Firebird; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-7000 MK-7000	MKP-2000 MK-2000
	90	VIN Code "T"; 1st design; Camaro & Firebird; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-7000	505-2000
	90	VIN Code "T"; 2nd design; Camaro & Firebird; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. chain 11 links wide; Incl. 3/4" inlet oil pump	Master Master w/o Pistons	MKP-7001 MK-7001	MKP-2001 MK-2001
	90	VIN Code "T"; 2nd design; Camaro & Firebird; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. chain 11 links wide; Incl. 3/4" inlet oil pump	Master w/o Rods & Mains	505-7001	505-2001
	90	VIN Code "T"; 1st design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master Master w/o Pistons	MKP-7002 MK-7002	MKP-2002 MK-2002
	90	VIN Code "T"; 1st design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Rods & Mains	505-7002	505-2002
	90	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. chain 9 links wide	Master w/o Pistons	MK-7003	----
	90	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Incl. 3/4" inlet oil pump; Incl. chain 9 links wide	Master	MKP-7003	----

(continued on next page)

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990-88 31
VIN Codes "J" 1999-2005, "M" 1993-99, "T" 1988-94, "W" 1993 (Flex Fuel) (cont.)

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90	VIN Code "T"; 2nd design; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump	505-7003	-----	
	90	VIN Code "T"; Exc. Camaro & Firebird; 1st design; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump, check pan for clearance; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	MK-7011	-----	
	90-88	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	BK-6021	-----	
	89-88	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; seals incl.; Incl. 5/8" inlet oil pump	BKP-6022	-----	
	89-88	VIN Code "T"; Cutlass Calais, Cutlass Ciera, Cutlass Supreme, Gran Prix, Regal & 6000; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	505-6183A	505-1183A	
	89-88	VIN Code "T"; Cutlass Calais, Cutlass Ciera, Cutlass Supreme, Gran Prix, Regal & 6000; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide; Freeze plugs not incl.	MK-6183D	MK-1183D	
	89-88	VIN Code "T"; Cutlass Calais, Cutlass Ciera, Cutlass Supreme, Gran Prix, Regal & 6000; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. chain 9 links wide; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	MKP-6183D	MKP-1183D	
	89-88	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	MKP-7002 MK-7002	MKP-2002 MK-2002	
	89-88	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	505-7002	505-2002	
	89-88	VIN Code "T"; Exc. Camaro & Firebird; Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump, check pan for clearance; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	MK-7011	-----	

GM Car

32 3.1L 189 (3136cc) OHV Turbo V6 (Chevrolet), 89mm Bore 1990-89 VIN Code "V" 1989-90

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90-89	KT3-372S	Incl. chain 9 links wide; Incl. (1) 222-372, (1) 223-619, (1) 223-620
	1	Timing Chain	90-89	222-372	9 links wide; 64 Links
	1	Chain Damper	90-89	222-59CTN	
	1	Crank Sprocket	90-89	223-619	20 Teeth
VALVE TRAIN	1	Cam Sprocket	90-89	223-620	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-1539	
	12	Lifter	90-89	HT-2095 Std Only	Hyd.
	12	Lifter, Bulk	90-89	HT-2095B Std Only	Hyd.; Carton of 128
VALVE TRAIN	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-1539	Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-89	KCT-1539	Hyd.; Incl. chain 9 links wide; Incl. (1) CS-1539, (12) HT-2095, (1) KT3-372S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	6	Push Rod	90-89	RP-3274	Exh.; 6.3890" O.A.L.
	6	Push Rod	90-89	RP-3273	Int.; 6.0420" O.A.L.
	6	Push Rod, Bulk	90-89	BRP-3274	Exh.; Carton of 100; 6.3890" O.A.L.
	6	Push Rod, Bulk	90-89	BRP-3273	Int.; Carton of 100; 6.0420" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Arm Assy.	90-89	R-881	Adj.; Use w/MR-1883 stud; Incl. arm, ball & nut
	12	Arm Assy., Bulk	90-89	R-881B	Adj.; Use w/MR-1883 stud; Incl. arm, ball & nut; Carton of 64
	12	Arm	90-89	R-881A	Adj.; Use w/MR-1883 stud
	12	Pivot Ball	90-89	MR-1838	
	12	Stud	90-89	MR-1883	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-2431 Std-15	Chrome plated stem; 1.4250" Head Dia., .3136" Stem Dia., 4.7360" O.A.L.
	6	Exhaust, Bulk	90-89	V-2431B15 15	Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3286" Stem Dia., 4.7360" O.A.L.
	6	Intake	90-89	V-2432 Std-15	Chrome plated stem; 1.7180" Head Dia., .3140" Stem Dia., 4.7050" O.A.L.
	6	Intake, Bulk	90-89	V-2432B15 15	Chrome plated stem; Carton of 25; 1.7180" Head Dia., .3290" Stem Dia., 4.7060" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-89	VG-1377	Exh. & Int.; w/Alum. heads; Incl. lock ring; Threaded; .3155" ID, 2.0850" O.A.L.
	12	Guide	90-89	VG-5080	Exh. & Int.; w/Cast iron head; .3440" ID, 2.0000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-89	VS-909	2.1530" Free Height
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-89	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	90-89	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	90-89	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	6	Int.	90-89	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-89	VK-216	1 groove
	24	Keeper, Bulk	90-89	VK-216B	1 groove; Carton of 1000
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-605K Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-89	WE-605K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
BLOCK	1	Main Set	90-89	7242MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings; 3/4 grooved
	1	Rod Set	90-89	6-4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	1	Rod Set	90-89	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	6	Rod Pair	90-89	4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	6	Rod Pair	90-89	4020P + Std-.026MM	When depleted use 4020A
BLOCK	1	Cam Set	90-89	1492M Std Only	Full round design

(continued on next page)

3.1L 189 (3136cc) OHV Turbo V6 (Chevrolet), 89mm Bore 1990-89 **32**

VIN Code "V" 1989-90 (cont.)

BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Oil Pump	90-89	224-4148V	High Volume, check pan for clearance; 5/8" inlet		
	1	Inter. Shaft	90-89	224-6148			
	1	Oil Pump Shaft Guide	90-89	224-43351	Nylon		
	1	Screen Assy.	90-89	224-1248	5/8" inlet		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90-89	260-1233	Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	1	Valley Pan Gasket Set	90-89	260-4028	Upper set incl.		
	1	Head Bolt Set	90-89	260-2534	Replacement recommended		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-89	381-8085				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	90-89	Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6300M	----	
	90-89	Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6300	----	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
YEARS	DESCRIPTION						
90-89	Int. manifold gskt. not incl.; Exh. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump, check pan for clearance; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide	Master w/o Pistons		MK-7011	----		

3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore 1967-62 **33**

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Gear Set	67-65	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
	1	Gear Set	64-62	221-2523S	Incl. (1) 221-2522, (1) 221-2537	
	1	Crank Gear	67-62	221-2537	27 Teeth	
	1	Cam Gear	67-65	221-2524	Alum.; 54 Teeth	
	1	Cam Gear	64-62	221-2522	Alum.; 54 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	67-62	CS-633	Hyd.	
	12	Lifter	67-62	HT-817 Std Only	Hyd.; Carton of 128	
	12	Lifter, Bulk	67-62	HT-817B Std Only		
	1	Prelube	67-62	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	67-62	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	67-65	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	64-62	KCT-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2523S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	67-62	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	12	Push Rod	67-62	RP-3180	9.6800" O.A.L.	
	12	Push Rod, Bulk	67-62	BRP-3180	Carton of 100; 9.6800" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm Assy.	67-62	R-832	Incl. arm, ball & nut	
	12	Arm Assy., Bulk	67-62	R-832B	Incl. arm, ball & nut; Carton of 64	
	12	Arm	67-62	R-832A		
	12	Pivot Ball	67-62	MR-1780		
	12	Nut	67-62	MR-1751	Self-locking, 3/8" x 24 threads	
	12	Stud	67-62	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	12	Stud	67-62	MR-1949	3/8" x 24 x 2.495"	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	67-62	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	6	Exhaust	67-62	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	

(continued on next page)

GM Car

33 3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore 1967-62

(cont.)

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Exhaust, Bulk	67-62	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	6	Intake	67-62	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk	67-62	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	67-65	VS-653	1.9000" Free Height
	12	Spring	64-62	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	67-62	MV-1903	Use w/repair guide; Positive type; Rubber
	12	Valve Stem Seal	67-62	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
VALVE TRAIN	12	Valve Stem Seal	67-62	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	67-62	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	67-62	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	67-62	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	67-62	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	67-62	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	67-62	VK-115	1 groove; Square cut key groove
	24	Keeper	67-62	VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	24	Keeper, Bulk	67-62	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	67-62	259-203C	.015"; Carton of 100
	12	Spring Insert	67-62	259-203B	.030"; Carton of 100
	12	Spring Insert	67-62	259-203BRS	.030"; Carton of 500
	12	Spring Insert	67-62	259-203A	.060"; Carton of 100
	12	Spring Insert	67-62	259-203ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	67-62	311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Cast Piston - Individual	67-62	W311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Pin	67-62	P-2208 Std-3-5-0015	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	67-62	E-250X Std-30-40	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	67-62	WE-250X Std Only	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-62	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	67-62	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable
	1	Rod Set	67-63	6-2020CA60 60	Unplated & resizeable
	6	Rod Pair	67-62	2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	67-62	1203M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Oil Pump	67-63	224-4147	
	1	Oil Pump	67-63	224-4157	High Volume, check pan for clearance
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	67-62	260-1005	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	67-62	381-8006	

34 3.2L 195 OHV L4 (Pontiac), 4.0625" Bore 1963-61

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	63-61	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
	1	Timing Chain	63-61	222-350	60 Links
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	63-61	HT-951 Std Only	Hyd.
	8	Lifter, Bulk	63-61	HT-951B Std Only	Hyd.; Carton of 128
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	63-61	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	8	Push Rod	63-61	RP-3164	8.6930" O.A.L.
	8	Push Rod	63-61	RP-316435	8.7280" O.A.L.
BLOCK	8	Push Rod	63-61	RP-316460	8.7530" O.A.L.

(continued on next page)

3.2L 195 OHV L4 (Pontiac), 4.0625" Bore 1963-61 34
 (cont.)

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Push Rod, Bulk	63-61	BRP-3164	Carton of 100; 8.6930" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	62-61	R-853	Incl. arm, ball & nut
	8	Arm	62-61	R-853A	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Intake	62-61	V-1532 Std Only	1.8820" Head Dia., .3409" Stem Dia., 4.8543" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	63-61	VS-445	Inner; 1.8120" Free Height
	8	Spring	63-61	VS-446	Outer; 1.9800" Free Height
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	63-61	MV-1903	Use w/repair guide; Positive type; Rubber
	8	Valve Stem Seal	63-61	ST-2003	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber
	8	Valve Stem Seal	63-61	ST-2092	Use w/O.E. guide; Positive type; Rubber
	8	Valve Stem Seal	63-61	MV-1233C	O-Ring; Rubber
	8	Valve Stem Seal Bulk	63-61	MV-1233	O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	63-61	ST-2003BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	63-61	VK-115	1 groove; Square cut key groove
	16	Keeper	63-61	VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	16	Keeper, Bulk	63-61	VK-115B	1 groove; Square cut key groove; Carton of 1000
	8	Spring Insert	63-61	259-301A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	63-61	288P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 10.1:1 C.R.
	4	Cast Piston - Individual	63-61	W288P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 10.1:1 C.R.
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	4	Rod Pair	63-61	1555CPA Std-1-10-20-30-40	
	1	Cam Set	63	1220M Std Only	
	1	Cam Set	62-61	1146M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	63	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
VALVE TRAIN	1	Oil Pump	62-61	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Inter. Shaft	63-61	224-61236	
	1	Screen Assy.	63-61	224-11232	5/8" inlet tube

3.2L 196 OHV V6 (Buick), 3.5" Bore 1979-78 35
 VIN Code "C" 1978-79

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-78	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610
	1	Timing Chain	79-78	222-359	54 Links
	1	Timing Chain Tensioner	79-78	222-44CT	R.H.; Incl. spring
	1	Crank Sprocket	79-78	223-323	20 Teeth
	1	Cam Sprocket	79-78	223-610	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79	CS-702	
	1	Performance Cam	79-78	CS-1112R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 114 Degrees
	1	Performance Cam	79-78	CS-1016R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
VALVE TRAIN	12	Lifter	79-78	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	12	Lifter	79-78	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.
	12	Lifter, Bulk	79-78	HT-969B Std Only	Hyd.; Carton of 128
	12	Lifter, Bulk	79-78	HT-969RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	1	Prelube	79-78	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79	KC-702	Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	79-78	KC-1112R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 114 Degrees; Incl. (1) CS-1112R, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	79-78	KC-1016R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B

(continued on next page)

GM Car

35 3.2L 196 OHV V6 (Buick), 3.5" Bore 1979-78

(cont.) VIN Code "C" 1978-79

V A L V E T R A I N	QTY	CAM KIT (cont.) Cam/Lifter/Timing Kit	YEARS 79	PART NO. KCT-702	DESCRIPTION Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	79-78	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	12	Push Rod	79-78	RP-3164	8.6930" O.A.L.
	12	Push Rod	79-78	RP-316435	8.7280" O.A.L.
	12	Push Rod	79-78	RP-316460	8.7530" O.A.L.
	12	Push Rod, Bulk	79-78	BRP-3164	Carton of 100; 8.6930" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm Assy.	79-78	R-870	Left; Incl. arm & retainer; Stamped steel
	6	Arm	79-78	R-870W	Left; Stamped steel
	12	Retainer	79-78	MR-1829	
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	79	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust, Bulk	79	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Intake	79	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	79-78	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	79-78	VS-744	2.0200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	79-78	ST-2001	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
B L O C K	12	Valve Stem Seal Bulk	79-78	ST-2001BC	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	79	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	79	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	79	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Exh.	78	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	78	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	78	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
	6	Int.	78	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
B L O C K	24	Keeper	79-78	VK-115	1 groove; Square cut key groove
	24	Keeper	79-78	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	79-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	79-78	259-201B	.030"; Carton of 100
	12	Spring Insert	79-78	259-201A	.060"; Carton of 100
	12	Spring Insert	79-78	259-201ARS	.060"; Carton of 500
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	79-78	E-197K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	79-78	E-197X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	79-78	WE-197K Std-20-30-40	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	79-78	WE-197X Std-20-30-40-60	2-5/64, 1-3/16
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	79-78	SL-15M Std Only	3/32" wall, Must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79-78	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
	1	Main Set	79-78	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1	Rod Set	79-78	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Rod Set	79-78	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	79-78	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore
	6	Rod Pair	79-78	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Cam Set	79-78	1462M Std Only	Babbitt material
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	79-78	224-51382	
	1	Pump Repair Kit	79-78	224-518	Gear type
	1	Pump Repair Kit	79-78	224-518V	High Volume; Installation may require timing cover removal

(continued on next page)

3.2L 196 OHV V6 (Buick), 3.5" Bore 1979-78 35					
VIN Code "C" 1978-79 (cont.)					
B L O C K	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	79-78	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1 1	Kit Gasket Set Valley Pan Gasket Set	79-78 79	260-1032 260-4006	Int. manifold gskt. not incl.; Premium valve stem seals incl.
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1 1	Brass Block Plug Kit Steel Block Plug Kit	79-78 79-78	381-8035 381-4023	
RE-RING KIT					
YEARS		DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
79-78		Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Re-ring	205-6016	205-1016
3.2L 198 OHV V6 (Buick), 3.625" Bore 1963-62 36					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	63-62	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
	1	Timing Chain	63-62	222-359	54 Links
	1	Crank Sprocket	63-62	223-323	20 Teeth
	1	Cam Sprocket	63-62	223-334	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	63-62	CS-657	
	12	Lifter	63-62	HT-896 Std Only	Hyd.
	12	Lifter, Bulk	63-62	HT-896B Std Only	Hyd.; Carton of 126
	1	Prelube	63-62	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	63-62	RP-3300	8.4460" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	63-62	V-1550 Std Only	1.3110" Head Dia., .3392" Stem Dia., 4.6063" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	63-62	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	63-62	ST-2001	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	63-62	ST-2001BC	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	63-62	245-1375-4 Std Only	1.3795" OD, 1.1250" ID, .1855" Depth
	6	Int.	63-62	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	6	Int.	63-62	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	63-62	VK-194	
	6	Spring Insert	63-62	259-201B	.030"; Carton of 100
	6	Spring Insert	63-62	259-201A	.060"; Carton of 100
	6	Spring Insert	63-62	259-201ARS	.060"; Carton of 500
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve	63-62	SL-17M Std Only	3/32" wall, must be cut to correct length & notched
V A L V E T R A I N	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	63-62	6-2500RAA Std-10-20-30-40	A-Series aluminum bearings
	6	Rod Pair	63-62	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	63-62	1205M Std Only	
3.3L 200 OHV V6 (Chevrolet), 3.5" Bore 1979-78 37					
VIN Code "M" 1978-79					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-78	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	3 Piece Set	79-78	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
	1	Timing Chain	79-78	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	79-78	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Crank Sprocket	79-78	223-505	Steel; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	79-78	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	79-78	223-390	.405" tooth width sprocket; 36 Teeth

(continued on next page)

GM Car

37 3.3L 200 OHV V6 (Chevrolet), 3.5" Bore 1979-78

(cont.) VIN Code "M" 1978-79

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam Sprocket	79-78	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	79-78	CS-712	Hyd.
12	Lifter	79-78	HT-817 Std Only	Hyd.; Carton of 128
12	Lifter, Bulk	79-78	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	79-78	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	79-78	KC-712	Hyd.; Incl. (1) CS-712, (12) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-78	KCT-712	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-712, (12) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	79-78	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
12	Push Rod	79-78	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
12	Push Rod	79-78	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
12	Push Rod	79-78	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
12	Push Rod	79-78	RP-3093	7.7940" O.A.L.
12	Push Rod, Bulk	79-78	BRP-3093	Carton of 100; 7.7940" O.A.L.
12	Push Rod, Bulk	79-78	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
12	Push Rod, Bulk	79-78	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	79-78	R-826	Incl. arm, ball & nut
12	Arm Assy., Bulk	79-78	R-826B	Incl. arm, ball & nut; Carton of 64
12	Arm	79-78	R-826A	
12	Nut	79-78	MR-1751	Self-locking, 3/8" x 24 threads
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	79-78	VG-5038	Exh.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	79-78	VG-5038B	Exh.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	79-78	VS-677	Incl. damper; 2.0300" Free Height
12	Spring, Bulk	79-78	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	79-78	ST-2003	Positive type; Installation requires valve guide machining; Rubber
12	Valve Stem Seal	79-78	ST-2092	Positive type; Rubber
12	Valve Stem Seal	79-78	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	79-78	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	79-78	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	79-78	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth
6	Exh.	79-78	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
6	Int.	79-78	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
6	Int.	79-78	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	79-78	VK-115	1 groove; Square cut key groove
24	Keeper	79-78	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	79-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	79-78	259-203C	.015"; Carton of 100
12	Spring Insert	79-78	259-203B	.030"; Carton of 100
12	Spring Insert	79-78	259-203BRS	.030"; Carton of 500
12	Spring Insert	79-78	259-203A	.060"; Carton of 100
12	Spring Insert	79-78	259-203ARS	.060"; Carton of 500
6	Rotocap	79-78	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	79-78	475NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9272" Pin Dia., Recessed Head .142" deep x 2.880" dia. - 8.2:1 C.R.
6	Cast Piston - Individual	79-78	W475NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9272" Pin Dia., Recessed Head .142" deep x 2.880" dia. - 8.2:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	79-78	E-197K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	79-78	E-197X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	79-78	WE-197K Std-20-30-40	2-5/64, 1-3/16
6	Standard Single Cylinder Set	79-78	WE-197X Std-20-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	79-78	SL-15M Std Only	3/32" wall, Must be cut to correct length
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-78	5085M Std-1-10-20-30-40	

(continued on next page)

3.3L 200 OHV V6 (Chevrolet), 3.5" Bore 1979-78 37

VIN Code "M" 1978-79 (cont.)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Main Set	79-78	6687M10	10-20-30
	1	Main Set	79-78	5085MA	Std-1-10-20-30-40
	1	Rod Set	79-78	6-3750P	Std-10-20-30-40
	1	Rod Pair	79-78	3750P	Std-1-10-20-30-40
	1	Cam Set	79-78	1463M	Std-1
	1	Cam Set	79-78	1791M	Std Only
					Babbitt material; Full round design
					O.E. split type design
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	79-78	224-4146A	High Pressure; 5/8" inlet
	1	Oil Pump	79-78	224-4146	5/8" inlet
	1	Inter. Shaft	79-78	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	79-78	224-6146	Use w/nylon shaft guide
	1	Oil Pump Shaft Guide	79-78	224-43343	Nylon
	1	Screen Assy.	79-78	224-1246	5/8" inlet tube
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	79-78	381-8049	
	1	Steel Block Plug Kit	79-78	381-9676	

3.3L 204 OHV V6 (Buick), 3.7" Bore 1990-89 38

VIN Code "N" 1989-93

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90-89	KT3-377S	Incl. (1) 222-377, (1) 223-684, (1) 223-691
	1	Timing Chain	90-89	222-377	54 Links
	1	Timing Chain Tensioner	90-89	222-175CT	1st design; w/Chamfered mounting hole
	1	Timing Chain Tensioner	90-89	222-295CT	2nd design; w/Counter bored mounting hole
	1	Crank Sprocket	90-89	223-691	20 Teeth
	1	Cam Sprocket	90-89	223-684	40 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-1505	Do not install the steel washer between the flange and block; It is not needed with this camshaft
	1	Thrust Button	90-89	MR-1876	
	12	Lifter	90-89	HT-2148	Std Only
	12	Lifter, Bulk	90-89	HT-2148B	Std Only
	1	Prelube	90-89	55-400	Hyd. rlr. Hyd. rlr.; Carton of 128 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-1505	Hyd. rlr.; Do not install the steel washer between the flange and block; It is not needed with the CS-1505 camshaft; Incl. (1) CS-1505, (12) HT-2148, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-89	RP-3283	6.7200" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Bolt	90-89	MR-1887	Use to replace orig. bolt w/staked-on pivot
	12	Pivot	90-89	MR-1886	Use to replace orig. bolt w/staked-on pivot
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-3915	Std-15
	6	Exhaust, Bulk	90-89	V-3915B15	15
	6	Intake	90-89	V-3916	Std-15
	6	Intake, Bulk	90-89	V-3916B15	15
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-89	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.
	12	Guide	90-89	VG-5006T	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.
	12	Guide, Bulk	90-89	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-89	VS-924	Exh. & Int.; w/o damper; 2.1100" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-89	MV-1888A	Positive type; Viton®
	12	Valve Stem Seal Bulk	90-89	MV-1888	Positive type; Carton of 50; Viton®
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	90-89	245-1750-2	Std Only
					1.7550" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-89	VK-115	1 groove; Square cut key groove
	24	Keeper	90-89	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	90-89	VK-115B	1 groove; Square cut key groove; Carton of 1000

(continued on next page)

GM Car

38 3.3L 204 OHV V6 (Buick), 3.7" Bore 1990-89

(cont.) VIN Code "N" 1989-93

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Cast Piston	90-89	H564P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.298" CD, .9054" Pin Dia., Recessed Head .135" deep x 2.768" dia.	
	6	Cast Piston - Individual	90-89	WH564P Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.298" CD, .9054" Pin Dia., Recessed Head .135" deep x 2.768" dia.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-533K Std-20-30-40	2-1.50MM, 1-3.00MM	
	6	Premium Single Cylinder Set	90-89	WE-533K Std-30	2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	7144MA Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Rod Set	90	6-3760A Std-1-10-20-30-40	.721" O.A.L.	
	1	Rod Set	90	6-3760A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
KITS	1	Rod Set	90-89	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	KITS
	1	Rod Set	90-89	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	90-89	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore	
	6	Rod Pair	90	3760A Std-1-10-20-30-40	A-Series aluminum bearings; .721" O.A.L.	
	6	Rod Pair	90-89	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	
	1	Cam Set	90-89	1755M Std Only	Babbitt material	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	90-89	224-51379		
	1	Screen Assy.	90-89	224-14269	For 4-3/4" deep oil pan	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
KITS	1	Kit Gasket Set	90-89	260-1467	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	KITS
	1	Head Bolt Set	90-89	260-2533	Replacement recommended	
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	90-89	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.659" O.A.L. brgs.	Re-ring		205-6140	
			Re-ring w/Mains		205-6140M	
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings; w/.721" O.A.L. brgs.	Block		BK-6029	
	90-89	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Do not install the steel washer on the camshaft between the flange and block; w/.659" O.A.L. brgs.	Master Master w/o Pistons		MKP-6140A MK-6140A	
	90-89	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Do not install the steel washer on the camshaft between the flange and block	Master w/o Rods & Mains		505-6140A	

39 3.5L 215 OHV V8 (Buick), 3.5" Bore 1963-61

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	63-61	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
1	Timing Chain	63-61	222-359	54 Links
1	Crank Sprocket	63-61	223-323	20 Teeth
1	Cam Sprocket	63-61	223-334	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	63-61	CS-364	
16	Lifter	63-61	HT-896 Std Only	Hyd.
16	Lifter, Bulk	63-61	HT-896B Std Only	Hyd.; Carton of 126
1	Prelube	63-61	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	63-61	R-1051	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	63-61	V-1550 Std Only	1.3110" Head Dia., .3392" Stem Dia., 4.6063" O.A.L.

(continued on next page)

3.5L 215 OHV V8 (Buick), 3.5" Bore 1963-61 39
(cont.)

V A L V E T R A I N	QTY 8	VALVE GUIDE Guide	YEARS 63-61	PART NO. VG-585	DESCRIPTION .3435" ID, 2.6090" O.A.L.
	QTY 16	VALVE SPRING Spring	YEARS 63-61	PART NO. VS-521	DESCRIPTION Incl. damper; 2.1090" Free Height
	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 63-61	PART NO. ST-2001	DESCRIPTION Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal Bulk	63-61	ST-2001BC	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY 8 8 8 8	VALVE SEAT Exh. Exh. Int. Int.	YEARS 63-61 63-61 63-61 63-61	PART NO. 245-1437-3N Std Only 245-1437-3 Std Only 245-1625-1N Std Only 245-1625-1 Std Only	DESCRIPTION Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth 1.4425" OD, 1.1880" ID, .2160" Depth Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth 1.6300" OD, 1.3750" ID, .2160" Depth
B L O C K	QTY 32	VALVE, MISC Keeper	YEARS 63-61	PART NO. VK-194	DESCRIPTION
	QTY 8	PISTON Cast Piston	YEARS 61	PART NO. 71P20 20-30	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.843" CD, .8750" Pin Dia., Recessed Head .156" deep x 2.8125" dia.
	8	Cast Piston - Individual	61	W71P20 20-30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.843" CD, .8750" Pin Dia., Recessed Head .156" deep x 2.8125" dia.
	QTY 1 1 8 8	RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set	YEARS 63-61 63-61 63-61 63-61	PART NO. E-236K Std-30 E-236X Std-30-40 WE-236K Std-30 WE-236X Std-30-40	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16
	QTY 8	SLEEVE Repair Sleeve	YEARS 63-61	PART NO. SL-15M Std Only	DESCRIPTION 3/32" wall, Must be cut to correct length
	QTY 1 1 1 8 1	ENGINE BEARINGS Main Set Main Set Rod Set Rod Pair Cam Set	YEARS 63-61 63-61 63-61 63-61 63-61	PART NO. 4096MA Std-10-20-30 7427MA40 40 8-2500RAA Std-10-20-30-40 2500RAA Std-1-2-10-20-30-40 1421M Std Only	DESCRIPTION A-Series aluminum bearings A-Series aluminum bearings; w/.020" O/S length flange brg. A-Series aluminum bearings A-Series aluminum bearings
	QTY 1	OIL PUMP Pump Repair Kit	YEARS 63-61	PART NO. 224-518TP	DESCRIPTION Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions

3.5L 215 OHV Turbo V8 (Oldsmobile), 3.5001" Bore 1963-62 40

V A L V E T R A I N	QTY 1 1 1 1	TIMING 3 Piece Set Timing Chain Crank Sprocket Cam Sprocket	YEARS 63-62 63-62 63-62 63-62	PART NO. KT3-359S 222-359 223-323 223-334	DESCRIPTION Incl. (1) 222-359, (1) 223-323, (1) 223-334 54 Links 20 Teeth 40 Teeth
	QTY 1 16 16 1	CAMSHAFT/LIFTER Camshaft Lifter Lifter, Bulk Prelube	YEARS 63-62 63-62 63-62 63-62	PART NO. CS-364 HT-896 Std Only HT-896B Std Only 55-400	DESCRIPTION Hyd. Hyd.; Carton of 126 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 16	ROCKER PARTS Arm	YEARS 63-62	PART NO. R-1051	DESCRIPTION
	QTY 8	VALVE Exhaust	YEARS 63-62	PART NO. V-1550 Std Only	DESCRIPTION 1.3110" Head Dia., .3392" Stem Dia., 4.6063" O.A.L.
	QTY 8	VALVE GUIDE Guide	YEARS 63-62	PART NO. VG-585	DESCRIPTION .3435" ID, 2.6090" O.A.L.
	QTY 16	VALVE SPRING Spring	YEARS 63-62	PART NO. VS-521	DESCRIPTION Incl. damper; 2.1090" Free Height
	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 63-62	PART NO. ST-2001	DESCRIPTION Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal Bulk	63-62	ST-2001BC	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

GM Car

40 3.5L 215 OHV Turbo V8 (Oldsmobile), 3.5001" Bore 1963-62

(cont.)

B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	63-62	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
	8	Exh.	63-62	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
	8	Int.	63-62	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	63-62	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	63-62	VK-194	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	63-62	E-236K Std-30	2-5/64, 1-3/16
	1	Standard Set	63-62	E-236X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	63-62	WE-236K Std-30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	63-62	WE-236X Std-30-40	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	63-62	SL-15M Std Only	3/32" wall, Must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	1	Main Set	63-62	4096MA Std-10-20-30	A-Series aluminum bearings
	1	Main Set	63-62	7427MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Rod Set	63-62	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings
	8	Rod Pair	63-62	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	63-62	1421M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	63-62	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions

41 3.5L 215 OHV L6 (Pontiac), 3.75" Bore 1965-64

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Gear	65-64	221-2537	27 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	65-64	CS-633	
	12	Lifter	65-64	HT-817 Std Only	Hyd.
	12	Lifter, Bulk	65-64	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	65-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	65-64	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
B L O C K	12	Push Rod	65-64	RP-3180	9.6800" O.A.L.
	12	Push Rod, Bulk	65-64	BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	65-64	R-832	Incl. arm, ball & nut
	12	Arm Assy., Bulk	65-64	R-832B	Incl. arm, ball & nut; Carton of 64
	12	Arm	65-64	R-832A	
	12	Stud	65-64	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	12	Stud	65-64	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	65-64	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
B L O C K	6	Exhaust, Bulk	65-64	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	6	Intake	65-64	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk	65-64	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	65-64	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	65-64	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	65-64	MV-1233	O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	65-64	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
B L O C K	6	Exh.	65-64	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	65-64	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	65-64	VK-115	1 groove; Square cut key groove
	24	Keeper	65-64	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	65-64	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	65-64	259-105B	.030"; Carton of 100

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3.5L 215 OHV L6 (Pontiac), 3.75" Bore 1965-64 41 (cont.)					
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin	65-64	P-2208 Std-3-5-0015	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	65-64	E-222K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	65-64	E-222X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	65-64	WE-222K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	65-64	WE-222X Std-20-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
6	Repair Sleeve	65-64	SL-19M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	65-64	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set	65-64	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable	
1	Rod Set	65-64	6-2020CA60 60	Unplated & resizeable	
6	Rod Pair	65-64	2020CP Std-1-2-10-20-30-40-50		
1	Cam Set	65-64	1203M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	65-64	224-4147		
1	Oil Pump	65-64	224-4157	High Volume, check pan for clearance	
1	Screen Assy.	65-64	224-1347		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	65-64	260-1005		
3.5L 216.5 OHV L6 (Chevrolet), 3.5" Bore 1952-37 42					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Gear	52-46	221-2537	27 Teeth
	1	Cam Gear	52-46	221-2514	Alum.; 54 Teeth
	1	Cam Gear	52-46	221-2500	Silent type; 54 Teeth
	1	Cam Gear	42-37	221-2514	Alum.; 54 Teeth
	1	Cam Gear	42-37	221-2500	Silent type; 54 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	52-46	CS-338	
	1	Camshaft	42-37	CS-338	
	1	Prelube	52-46	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube	42-37	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	52-46	RP-3019	10.4650" O.A.L.
	12	Push Rod	42-37	RP-3019	10.4650" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Nut	52-46	MR-1940	7/16-20 thread
	6	Nut	42-40	MR-1940	7/16-20 thread
	6	Adj. Screw	52-46	MR-1939	7/16-20 thread
	6	Adj. Screw	42-40	MR-1939	7/16-20 thread
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	52-50	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
6	Exhaust	52-46	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
6	Exhaust	49-46	V-957 Std Only	1.4665" Head Dia., .3402" Stem Dia., 4.8760" O.A.L.	
6	Exhaust	42-41	V-957 Std Only	1.4665" Head Dia., .3402" Stem Dia., 4.8760" O.A.L.	
6	Exhaust, Bulk	52-46	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
6	Intake	52-46	V-958 Std Only	1.6410" Head Dia., .3412" Stem Dia., 6.2830" O.A.L.	
6	Intake	42-41	V-958 Std Only	1.6410" Head Dia., .3412" Stem Dia., 6.2830" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide	52-46	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.	
6	Guide	52-46	VG-473	Int.; .3435" ID, 3.3400" O.A.L.	
6	Guide	42-41	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.	
6	Guide	42-37	VG-473	Int.; .3435" ID, 3.3400" O.A.L.	
6	Guide	40-37	VG-509	Exh.; .3435" ID, 2.1880" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	52-46	VS-424	2.2500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	52-46	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
12	Valve Stem Seal	42-37	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
12	Valve Stem Seal	52-46	MV-1233C	O-Ring; Rubber	

(continued on next page)

GM Car

42 3.5L 216.5 OHV L6 (Chevrolet), 3.5" Bore 1952-37

(cont.)

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	42-37	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	52-46	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	52-46	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	12	Valve Stem Seal Bulk	42-37	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	42-37	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6		52-46	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	6		52-46	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	6	Exh.	52-46	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	6	Int.	52-46	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	6		42-41	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	6	Exh.	42-41	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	6	Int.	42-41	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	52-46	VK-115	1 groove; Square cut key groove
	24	Keeper	52-46	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper	42-37	VK-115	1 groove; Square cut key groove
	24	Keeper	42-37	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	52-46	VK-115B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	42-37	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	52-46	259-200B	.030"; Carton of 100
	12	Spring Insert	52-46	259-200A	.060"; Carton of 100
	12	Spring Insert	42-37	259-200B	.030"; Carton of 100
	12	Spring Insert	42-37	259-200A	.060"; Carton of 100
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	52-46	1012P Std-30-40-60	Cast; 2-1/8", 1-3/16" Ring Groove, 2.047" CD, .8650" Pin Dia., Flat Head - 6.5:1 C.R.; Not factory duplicate; Repl. in sets only
	6	Cast Piston	42-41	1012P Std-30-40-60	Cast; 2-1/8", 1-3/16" Ring Groove, 2.047" CD, .8650" Pin Dia., Flat Head - 6.5:1 C.R.; Not factory duplicate; Repl. in sets only
	6	Cast Piston - Individual	52-46	W1012P Std-30-40-60	Cast; 2-1/8", 1-3/16" Ring Groove, 2.047" CD, .8650" Pin Dia., Flat Head - 6.5:1 C.R.; Not factory duplicate; Repl. in sets only
	1	Cast Piston - Individual	42-41	W1012P Std-30-40-60	Cast; 2-1/8", 1-3/16" Ring Groove, 2.047" CD, .8650" Pin Dia., Flat Head - 6.5:1 C.R.; Not factory duplicate; Repl. in sets only
	12	Pin Bushing	52-46	9559X	2 req'd. per rod
	12	Pin Bushing	42-40	9559X	2 req'd. per rod
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	52-46	E-103X Std-30	2-1/8, 1-3/16
	1	Standard Set	42-37	E-103X Std-30	2-1/8, 1-3/16
	6	Standard Single Cylinder Set	52-46	WE-103X Std Only	2-1/8, 1-3/16
	6	Standard Single Cylinder Set	42-37	WE-103X Std Only	2-1/8, 1-3/16
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	52-46	SL-15M Std Only	3/32" wall, Must be cut to correct length
	6	Repair Sleeve	42-37	SL-15M Std Only	3/32" wall, Must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	52-48	648M Std-10-20-30	Use w/FSM-105S shim set
	1	Shim Set	52-48	FSM-105S	
	1	Shim Set	52-46	FSM-104S	
	1	Shim Set	42-37	FSM-104S	
	6	Rod Pair	52-46	1415SB10 10-20	Insert type rod brg. for 18R rod forgings that have been converted from babbitted to insert type; Use w/FSM-104S shim set
	1	Rod Pair	42-37	1415SB10 10-20	Insert type rod brg. for 18R rod forgings that have been converted from babbitted to insert type; Use w/FSM-104S shim set
	1	Cam Set	52-46	1094M Std Only	
	1	Cam Set	42-37	1094M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	52-46	224-4140	
	1	Oil Pump	42-37	224-4140	

43 3.7L 225 OHV V6 (Buick), 3.75" Bore 1967-64

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-64	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334

(continued on next page)

3.7L 225 OHV V6 (Buick), 3.75" Bore 1967-64 **43**

(cont.)

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	67-64	222-359	54 Links
1	Crank Sprocket	67-64	223-323	20 Teeth
1	Cam Sprocket	67-64	223-334	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	67-64	CS-657	Hyd.
12	Lifter	67-64	HT-896 Std Only	Hyd.; Carton of 126
12	Lifter, Bulk	67-64	HT-896B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	67-64	55-400	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	67-65	RP-3173	8.7230" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm	67-64	R-1051	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	67-65	V-1744 Std Only	1.3750" Head Dia., .3401" Stem Dia., 4.5430" O.A.L.
6	Intake	67-65	V-1745 Std Only	1.6250" Head Dia., .3410" Stem Dia., 4.5430" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	65	VG-5034	Int.; Cut to fit; .3430" ID, 2.5000" O.A.L.
12	Guide	64	VG-5034	Exh. & Int.; Cut to fit; .3430" ID, 2.5000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	66-65	VS-644	2.0300" Free Height
12	Spring	64	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	67-64	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal Bulk	67-64	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	67-64	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
6	Exh.	67-64	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
6	Int.	67-64	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
6	Int.	67-64	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	67-64	VK-194	
12	Spring Insert	67-64	259-201B	.030"; Carton of 100
12	Spring Insert	67-64	259-201A	.060"; Carton of 100
12	Spring Insert	67-64	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	67-64	1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
6	Cast Piston - Individual	67-64	W1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	67-64	E-222K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	67-64	E-222X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	67-64	WE-222K Std-20-30-40-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	67-64	WE-222X Std-20-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	67-64	SL-19M Std Only	3/32" wall, must be cut to correct length
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	67-64	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
1	Main Set	67-64	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
1	Rod Set	67-64	6-2500RAA Std-10-20-30-40	A-Series aluminum bearings
6	Rod Pair	67-64	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set	67-64	1205M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	67-64	224-51382	Gear type
1	Pump Repair Kit	67-64	224-518	High Volume; Installation may require timing cover removal
1	Pump Repair Kit	67-64	224-518V	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Pump Repair Kit	67-64	224-518TP	

GM Car

44 3.8L 229 OHV V6 (Chevrolet), 3.736" Bore 1984-80

VIN Codes "K" 1980-82, "9" 1983-84

VALVE
TRAIN

VALVE
TRAIN

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	84-80	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	84-80	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
1	Timing Set w/Gaskets	84-80	CTS-1000	w/.405" tooth width sprocket
1	Timing Chain	84-80	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	84-80	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Crank Sprocket	84-80	223-505	Steel; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	84-80	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	84-80	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	84-80	CS-712	
12	Lifter	84-80	HT-817 Std Only	Hyd.
12	Lifter, Bulk	84-80	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	84-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	84-80	KC-712	Hyd.; Incl. (1) CS-712, (12) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-80	KCT-712	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-712, (12) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	84-80	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
12	Push Rod	84-80	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
12	Push Rod	84-80	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
12	Push Rod	84-80	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
12	Push Rod	84-80	RP-3093	7.7940" O.A.L.
12	Push Rod, Bulk	84-80	BRP-3093	Carton of 100; 7.7940" O.A.L.
12	Push Rod, Bulk	84-80	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
12	Push Rod, Bulk	84-80	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	84-80	R-826	Incl. arm, ball & nut
12	Arm Assy., Bulk	84-80	R-826B	Incl. arm, ball & nut; Carton of 64
12	Arm	84-80	R-826A	
12	Nut	84-80	MR-1751	Self-locking, 3/8" x 24 threads
12	Stud	84-80	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	84-80	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	84-80	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	84-80	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Intake	84-80	V-2143 Std-3-5-15	Chrome plated stem; 1.8390" Head Dia., .3410" Stem Dia., 4.9120" O.A.L.
6	Intake, Bulk	84-80	V-2143B Std-15	Chrome plated stem; Carton of 25; 1.8400" Head Dia., .3413" Stem Dia., 4.9120" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	84-80	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
6	Guide	84-80	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
6	Guide	84-80	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
6	Guide	84-80	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	84-80	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
6	Guide, Bulk	84-80	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
6	Guide, Bulk	84-80	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	84-80	VS-677	Incl. damper; 2.0300" Free Height
12	Spring, Bulk	84-80	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	84-81	MV-1920	Exh.; Umbrella type; Nylon
6	Valve Stem Seal	84-81	MV-1888C	Int.; Positive type; Viton®
12	Valve Stem Seal	84-80	MV-1233C	Exh. & Int.; O-Ring; Rubber
6	Valve Stem Seal Bulk	84-81	MV-1888	Int.; Positive type; Carton of 50; Viton®
12	Valve Stem Seal Bulk	84-80	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	84-80	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
6	Exh.	84-80	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
6	Int.	84-80	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	84-80	VK-115	1 groove; Square cut key groove
24	Keeper	84-80	VK-115R	1 groove; Square cut key groove; Hardened

(continued on next page)

3.8L 229 OHV V6 (Chevrolet), 3.736" Bore 1984-80 44

VIN Codes "K" 1980-82, "9" 1983-84 (cont.)

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	24	Keeper, Bulk	84-80	VK-115B	1 groove; Square cut key groove; Carton of 1000		
	12	Spring Insert	84-80	259-203C	.015"; Carton of 100		
	12	Spring Insert	84-80	259-203B	.030"; Carton of 100		
	12	Spring Insert	84-80	259-203BRS	.030"; Carton of 500		
	12	Spring Insert	84-80	259-203A	.060"; Carton of 100		
	12	Spring Insert	84-80	259-203ARS	.060"; Carton of 500		
	6	Rotocap	84-80	RC-157S			
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	6	Cast Piston	84-80	698P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.		
6	Cast Piston - Individual	84-80	W698P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.			
QTY	RINGS	YEARS	PART NO.	DESCRIPTION			
1	Premium Set	84-80	E-414K Std-30-40	2-5/64, 1-3/16			
1	Standard Set	84-80	E-414X Std-30-40-60	2-5/64, 1-3/16			
6	Premium Single Cylinder Set	84-80	WE-414K Std-30-40	2-5/64, 1-3/16			
6	Standard Single Cylinder Set	84-80	WE-414X Std-30-40	2-5/64, 1-3/16			
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
1	Main Set	84-80	5085M Std-1-10-20-30-40	.020" O/S length flange brg. A-Series aluminum bearings			
1	Main Set	84-80	6687M10 10-20-30				
1	Main Set	84-80	5085MA Std-1-10-20-30-40				
1	Rod Set	84-80	6-3750P Std-10-20-30-40				
1	Rod Pair	84-80	3750P Std-1-10-20-30-40	Babbitt material; Full round design O.E. split type design			
1	Cam Set	84-80	1463M Std-1				
1	Cam Set	84-80	1791M Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	84-80	224-4146A	High Pressure; 5/8" inlet			
1	Oil Pump	84-80	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide			
1	Oil Pump	84-80	224-4146	5/8" inlet			
1	Inter. Shaft	84-80	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide			
1	Inter. Shaft	84-80	224-6146	Use w/nylon shaft guide			
1	Oil Pump Shaft Guide	84-80	224-43343	Nylon			
1	Screen Assy.	84-80	224-1246	5/8" inlet tube			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	84-80	260-1101	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	84-80	381-8049				
1	Steel Block Plug Kit	84-80	381-9676				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	84-80	Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring w/Mains		205-692M	205-192M	
	84-80	Premium valve stem seals incl.	Re-ring		205-692	205-192	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
YEARS	DESCRIPTION						
84-80	Premium valve stem seals incl.; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons		MKP-692A MK-692A	MKP-192A MK-192A		
84-80	Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains		505-692A	505-192A		
3.8L 230 OHV L6 (Chevrolet), 3.875" Bore 1970-63 45							
QTY	TIMING	YEARS	PART NO.	DESCRIPTION			
1	Gear Set	70-65	221-2525S	Incl. (1) 221-2524, (1) 221-2537			
1	Gear Set	64-63	221-2523S	Incl. (1) 221-2522, (1) 221-2537			
1	Crank Gear	70-63	221-2537	27 Teeth			
1	Cam Gear	70-65	221-2524	Alum.; 54 Teeth			
1	Cam Gear	64-63	221-2522	Alum.; 54 Teeth			
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION			
1	Camshaft	70-63	CS-633				
12	Lifter	70-63	HT-817 Std Only	Hyd.			
12	Lifter, Bulk	70-63	HT-817B Std Only	Hyd.; Carton of 128			
1	Prelube	70-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.			
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION			
1	Cam/Lifter Kit	70-63	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B			

(continued on next page)

GM Car

45 3.8L 230 OHV L6 (Chevrolet), 3.875" Bore 1970-63

(cont.)

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter/Timing Kit	70-65	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B
1	Cam/Lifter/Timing Kit	64-63	KCT-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2523S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	70-63	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
12	Push Rod	70-63	RP-3180	9.6800" O.A.L.
12	Push Rod, Bulk	70-63	BRP-3180	Carton of 100; 9.6800" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	70-63	R-832	Incl. arm, ball & nut
12	Arm Assy., Bulk	70-63	R-832B	Incl. arm, ball & nut; Carton of 64
12	Arm	70-63	R-832A	
12	Pivot Ball	70-63	MR-1780	
12	Nut	70-63	MR-1751	Self-locking, 3/8" x 24 threads
12	Stud	70-63	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	70-63	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	70-63	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	70-63	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Exhaust	70-63	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	70-63	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	70-63	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Intake	70-63	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake	70-63	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	70-63	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	70-63	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	70-63	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	70-63	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	70-65	VS-653	1.9000" Free Height
12	Spring	64-63	VS-521	W/Rotocaps; Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	70-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	70-63	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	70-63	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	70-63	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	70-63	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
6	Exh.	70-63	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
6	Int.	70-63	245-1812-2 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
12	Keeper	70-63	VK-115	1 groove; Square cut key groove
12	Keeper	70-63	VK-115R	1 groove; Square cut key groove; Hardened
12	Keeper, Bulk	70-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	70-63	259-203C	.015"; Carton of 100
12	Spring Insert	70-63	259-203B	.030"; Carton of 100
12	Spring Insert	70-63	259-203BRS	.030"; Carton of 500
12	Spring Insert	70-63	259-203A	.060"; Carton of 100
12	Spring Insert	70-63	259-203ARS	.060"; Carton of 500
6	Rotocap	68-63	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	70-63	1107P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 1107NP
6	Cast Piston	70-63	1107NP * Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
6	Pin	70-63	P-2208 Std-3-5-0015	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	70-63	E-234K Std-20-30-40-60	2-5/64, 1-3/16

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3.8L 230 OHV L6 (Chevrolet), 3.875" Bore 1970-63 45
 (cont.)

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Standard Set	70-63	E-234X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	70-63	WE-234K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	70-63	WE-234X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	6	Repair Sleeve	70-63	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	70-63	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set	70-63	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable	
	1	Rod Set	70-63	6-2020CA60 60	Unplated & resizeable	
6	Rod Pair	70-63	2020CP Std-1-2-10-20-30-40-50			
1	Cam Set	70-63	1203M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	70-63	224-4147			
1	Oil Pump	70-63	224-4157	High Volume, check pan for clearance		
1	Screen Assy.	70-68	224-1347			
1	Screen Assy.	67	224-1347	Exc. Chevy II		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	70-63	260-1005			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	70-63	381-8006			
KITS	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	70-63			Re-ring	205-614	205-114
	70-63	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-614M	205-114M
	OVERHAUL KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
70-65			Master w/o Rods & Mains	505-614D	505-114D	
70-65	Incl. A-Series aluminum bearings		Master	MKP-614D	MKP-114D	
			Master w/o Pistons	MK-614D	MK-114D	

3.8L 230 SOHC L6 (Pontiac), 3.875" Bore 1967-66 46

V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	6	Guide	67-66	VG-5061	Exh.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; .3430" ID, 2.3800" O.A.L.	
	12	Guide	67-66	VG-5002	Exh. & Int.; Eng. Codes "ZF", "ZG", "ZK", "ZM", "ZN" & "ZS"; .3420" ID, 3.0600" O.A.L.	
	12	Guide	67-66	VG-5002T	Exh. & Int.; Eng. Codes "ZF", "ZG", "ZK", "ZM", "ZN" & "ZS"; Threaded; .3430" ID, 3.0630" O.A.L.	
	6	Guide	67-66	VG-5005	Int.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; .3430" ID, 2.2500" O.A.L.	
	6	Guide	67-66	VG-5005H	Int.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; Hardened; .3430" ID, 2.2500" O.A.L.	
	6	Guide	67-66	VG-5005T	Int.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; Threaded; .3425" ID, 2.2500" O.A.L.	
	12	Guide, Bulk	67-66	VG-5002B	Exh. & Int.; Eng. Codes "ZF", "ZG", "ZK", "ZM", "ZN" & "ZS"; Carton of 50; .3420" ID, 3.0600" O.A.L.	
	12	Guide, Bulk	67-66	VG-5002TB	Exh. & Int.; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.	
	6	Guide, Bulk	67-66	VG-5005B	Int.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; Carton of 50; .3430" ID, 2.2500" O.A.L.	
	6	Guide, Bulk	67-66	VG-5005TB	Int.; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	67-66	VS-651	Inner; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; 1.7600" Free Height	
	12	Spring	67-66	VS-665	Outer; Eng. Codes "ZD", "ZE", "ZL" & "ZR"; 1.9400" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	67-66	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
	12	Valve Stem Seal	67-66	ST-2092	Positive type; Rubber	
	12	Valve Stem Seal	67-66	MV-1233C	O-Ring; Rubber	
	12	Valve Stem Seal Bulk	67-66	MV-1233	O-Ring; Carton of 100; Rubber	
	12	Valve Stem Seal Bulk	67-66	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	

(continued on next page)

GM Car

46 3.8L 230 SOHC L6 (Pontiac), 3.875" Bore 1967-66

(cont.)

B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Exh.	67-66	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
	6	Exh.	67-66	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
	6	Int.	67-66	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K
	24	Keeper	67-66	VK-115	1 groove; Square cut key groove	
	24	Keeper	67-66	VK-115R	1 groove; Square cut key groove; Hardened	
	24	Keeper, Bulk	67-66	VK-115B	1 groove; Square cut key groove; Carton of 1000	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	67-66	E-234K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	67-66	E-234X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	67-66	WE-234K Std-20-30-40-60	2-5/64, 1-3/16	
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Repair Sleeve	67-66	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	67-66	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Brass Block Plug Kit	67-66	381-8006		

47 3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 & 2004-2008, "3" 1984-88

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	90-86	KT3-381SA	VIN Code "C"; w/3 bolt cam sprocket mounting; Incl. (1) 222-375, (1) 223-718, (1) 223-729	
	1	3 Piece Set	90-86	KT3-359SA2	VIN Codes "B" & "3"; Incl. crank sprocket w/double flats & 36MM balancer hub; Incl. (1) 222-359, (1) 223-610, (1) 223-621	
	1	3 Piece Set	90-86	KT3-381S	VIN Codes "C" & "L"; w/1 bolt cam sprocket mounting; Incl. (1) 222-375, (1) 223-716, (1) 223-729	
V A L V E T R A I N	1	3 Piece Set	87-86	KT3-359SA1	VIN Code "A"; Incl. (1) 222-359, (1) 223-323, (1) 223-610	V A L V E T R A I N
	1	3 Piece Set	85-78	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610	
	1	3 Piece Set	85-78	KT3-359SA2	Incl. crank sprocket w/double flats & 36MM balancer hub; Incl. (1) 222-359, (1) 223-610, (1) 223-621	
	1	3 Piece Set	77	KT3-359SA1	w/Integral dist. drive gear; Incl. (1) 222-359, (1) 223-323, (1) 223-610	
V A L V E T R A I N	1	3 Piece Set	77-75	KT3-359S	w/o Integral dist. drive gear; Incl. (1) 222-359, (1) 223-323, (1) 223-334	V A L V E T R A I N
	1	Timing Chain	90-88	222-375	VIN Codes "C", "L" & "1"; 54 Links	
	1	Timing Chain	88-75	222-359	Exc. VIN Codes "C" & "L"; 54 Links	
	1	Timing Chain Tensioner	90-88	222-175CT		
V A L V E T R A I N	1	Timing Chain Tensioner	88-87	222-175CT	VIN Code "3"	V A L V E T R A I N
	1	Timing Chain Tensioner	87-86	222-44CT	R.H.; VIN Code "A"; Incl. spring	
	1	Timing Chain Tensioner	86	222-175CT	VIN Codes "B" & "3"	
	1	Timing Chain Tensioner	85-82	222-44CT	R.H.; VIN Codes "A" & "3"; Incl. spring	
V A L V E T R A I N	1	Timing Chain Tensioner	81-75	222-44CT	R.H.; Incl. spring	V A L V E T R A I N
	1	Crank Sprocket	90-86	223-621	VIN Codes "B" & "3"; Crank sprocket w/double flats & 36MM balancer hub; 20 Teeth	
	1	Crank Sprocket	90-86	223-729	VIN Codes "C" & "L"; 20 Teeth	
	1	Crank Sprocket	88-75	223-323	20 Teeth	
V A L V E T R A I N	1	Crank Sprocket	87-86	223-323	VIN Code "A"; 20 Teeth	V A L V E T R A I N
	1	Cam Sprocket	90-86	223-718	VIN Code "C"; w/3 bolt cam sprocket mounting; 40 Teeth	
	1	Cam Sprocket	90-86	223-610	VIN Codes "A", "B" & "3"; 40 Teeth	
	1	Cam Sprocket	90-86	223-716	VIN Codes "C" & "L"; w/1 bolt cam sprocket mounting; 40 Teeth	
V A L V E T R A I N	1	Cam Sprocket	87-77	223-610	w/Integral dist. drive gear; 40 Teeth	V A L V E T R A I N
	1	Cam Sprocket	77-75	223-334	w/o Integral dist. drive gear; 40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90	CS-1506	VIN Code "L"	
V A L V E T R A I N	1	Camshaft	90-89	CS-1505	VIN Code "C"; Do not install the steel washer between the flange and block; It is not needed with this camshaft	V A L V E T R A I N
	1	Camshaft	88	CS-702	VIN Code "3"	
	1	Camshaft	88	CS-836	VIN Code "3"	
	1	Camshaft	87	CS-836	VIN Code "3"	

(continued on next page)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75 47

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 (cont.) & 2004-2008, "3" 1984-88

QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
1	Camshaft	87	CS-702	VIN Codes "A" & "3"
1	Camshaft	86	CS-813	VIN Code "B"
1	Camshaft	86	CS-836	VIN Code "3"
1	Camshaft	86	CS-702	VIN Codes "A" & "3"
1	Camshaft	85-84	CS-702	VIN Codes "A" & "3"
1	Camshaft	83-79	CS-702	VIN Code "A"
1	Camshaft	79	CS-702	VIN Code "2"
1	Thrust Button	90-89	MR-1876	VIN Code "C"
1	Thrust Button	88-84	MR-1874	VIN Codes "B" & "3"; Steel button
1	Performance Cam	80-77	CS-1112R	VIN Code "A"; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 114 Degrees
1	Performance Cam	80-77	CS-1016R	VIN Code "A"; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	79-78	CS-1016R	VIN Code "2"; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
12	Lifter	90-88	HT-2148 Std Only	Hyd. rlr.
12	Lifter	87-86	HT-2148 Std Only	VIN Code "3"; Hyd. rlr.
12	Lifter	87-86	HT-969 Std Only	VIN Codes "A" & "B"; Hyd.; w/.440" wide oil groove
12	Lifter	87-86	HT-969R Std Only	VIN Codes "A" & "B"; Speed-Pro Hi-Revolution Hyd.
12	Lifter	85-75	HT-969 Std Only	Hyd.; w/.440" wide oil groove
12	Lifter	85-75	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.
12	Lifter, Bulk	90-88	HT-2148B Std Only	Hyd. rlr.; Carton of 128
12	Lifter, Bulk	87-86	HT-2148B Std Only	VIN Code "3"; Hyd. rlr.; Carton of 128
12	Lifter, Bulk	87-86	HT-969B Std Only	VIN Codes "A" & "B"; Hyd.; Carton of 128
12	Lifter, Bulk	87-86	HT-969RB Std Only	VIN Codes "A" & "B"; Speed-Pro Hi-Revolution Hyd.; Carton of 128
12	Lifter, Bulk	85-75	HT-969B Std Only	Hyd.; Carton of 128
12	Lifter, Bulk	85-75	HT-969RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	90-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90	KC-1506	VIN Code "L"; Hyd. rlr.; Incl. (1) CS-1506, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	90-89	KC-1505	VIN Code "C"; Hyd. rlr.; Do not install the steel washer between the flange and block; It is not needed with the CS-1505 camshaft; Incl. (1) CS-1505, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	88	KC-702	VIN Code "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	88	KC-836	VIN Code "3"; Hyd.; Incl. (1) CS-836, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-836	VIN Code "3"; Hyd.; Incl. (1) CS-836, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-702	VIN Codes "A" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	86	KC-813	VIN Code "B"; Hyd.; Incl. (1) CS-813, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	86	KC-836	VIN Code "3"; Hyd.; Incl. (1) CS-836, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	86	KC-702	VIN Codes "A" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	85-84	KC-702	VIN Codes "A" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	83-79	KC-702	VIN Code "A"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	80-77	KC-1112R	VIN Code "A"; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 114 Degrees; Incl. (1) CS-1112R, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	80-77	KC-1016R	VIN Code "A"; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	79	KC-702	VIN Code "2"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	79-78	KC-1016R	VIN Code "2"; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B

(continued on next page)

GM Car

47 3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75

(cont.) VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 & 2004-2008, "3" 1984-88

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	88	KCT-702	VIN Code "A"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-86	KCT-702	VIN Codes "A" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	86	KCT-813	VIN Code "B"; Hyd.; Incl. crank sprocket w/double flats & 36mm balancer hub; Incl. (1) CS-813, (12) HT-969, (1) KT3-359SA2, (1) 55-403B
	1	Cam/Lifter/Timing Kit	85-84	KCT-702	VIN Codes "A" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	83-79	KCT-702	VIN Code "A"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79	KCT-702	VIN Code "2"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-88	RP-3285	VIN Codes "C" & "L"; 7.9650" O.A.L.
	12	Push Rod	88-86	RP-3313	VIN Code "3"; 7.8820" O.A.L.
	12	Push Rod	88-86	RP-3261	VIN Code "3"; 7.9420" O.A.L.
	12	Push Rod	87-86	RP-3213R	VIN Code "A"; Chrome-Moly; 8.6900" O.A.L.
	12	Push Rod	87-86	RP-3164	VIN Code "A"; 8.6930" O.A.L.
	12	Push Rod	87-86	RP-316435	VIN Code "A"; 8.7280" O.A.L.
	12	Push Rod	87-86	RP-316460	VIN Code "A"; 8.7530" O.A.L.
	12	Push Rod	86	RP-3253	VIN Code "B"; 8.4710" O.A.L.
	12	Push Rod	85-75	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	12	Push Rod	85-75	RP-3164	8.6930" O.A.L.
	12	Push Rod	85-75	RP-316435	8.7280" O.A.L.
	12	Push Rod	85-75	RP-316460	8.7530" O.A.L.
	12	Push Rod	76-75	RP-3261	7.9420" O.A.L.
	12	Push Rod, Bulk	90-88	BRP-3285	VIN Codes "C" & "L"; Carton of 100; 7.9650" O.A.L.
	12	Push Rod, Bulk	88-86	BRP-3261	VIN Code "3"; Carton of 100; 7.9420" O.A.L.
	12	Push Rod, Bulk	87-86	BRP-3164	VIN Code "A"; Carton of 100; 8.6930" O.A.L.
	12	Push Rod, Bulk	86	BRP-3253	VIN Code "B"; Carton of 100; 8.4710" O.A.L.
	12	Push Rod, Bulk	85-75	BRP-3164	Carton of 100; 8.6930" O.A.L.
	12	Push Rod, Bulk	76-75	BRP-3261	Carton of 100; 7.9420" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	87-86	R-947	VIN Code "A"; Rocker arm w/on-center push rod socket; Incl. arm & retainer
	6	Arm Assy.	87-86	R-870	L.H.; VIN Code "A"; Incl. arm & retainer; Stamped steel
	12	Arm Assy.	85-75	R-947	Rocker arm w/on-center push rod socket; Incl. arm & retainer
	6	Arm Assy.	85-75	R-870	L.H.; Incl. arm & retainer; Stamped steel
	6	Arm	87-86	R-870W	L.H.; VIN Code "A"; Stamped steel
	6	Arm	85-75	R-870W	L.H.; Stamped steel
	12	Bolt	90-88	MR-1887	VIN Codes "C" & "L"; Use to replace orig. bolt w/staked-on pivot
	12	Pivot	90-88	MR-1886	VIN Codes "C" & "L"; Use to replace orig. bolt w/staked-on pivot
	12	Pivot	88-86	MR-1885	VIN Codes "B" & "3"; Pedestal type pivot; w/.375" ID hole
	12	Retainer	87-86	MR-1829	VIN Code "A"
	12	Retainer	85-75	MR-1829	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-3915 Std-15	VIN Codes "C" & "L"; Chrome plated stem; 1.4870" Head Dia., .3405" Stem Dia., 4.7270" O.A.L.
	6	Exhaust	88	V-4168 Std-15	Exc. VIN Code "C"; Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust	88	V-3915 Std-15	VIN Code "C"; Chrome plated stem; 1.4870" Head Dia., .3405" Stem Dia., 4.7270" O.A.L.
	6	Exhaust	87-79	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust, Bulk	90-89	V-3915B15 15	VIN Codes "C" & "L"; Chrome plated stem; Carton of 25; 1.4870" Head Dia., .3555" Stem Dia., 4.7270" O.A.L.
	6	Exhaust, Bulk	88	V-4168B Std-15	Exc. VIN Code "C"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust, Bulk	88	V-3915B15 15	VIN Code "C"; Chrome plated stem; Carton of 25; 1.4870" Head Dia., .3555" Stem Dia., 4.7270" O.A.L.
	6	Exhaust, Bulk	87-79	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Intake	90-89	V-3916 Std-15	VIN Codes "C" & "L"; Chrome plated stem; 1.7100" Head Dia., .3405" Stem Dia., 4.7270" O.A.L.
	6	Intake	88	V-2117 Std-15	Exc. VIN Code "C"; Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	6	Intake	88	V-2117 Std-15	

(continued on next page)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75 47

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 (cont.) & 2004-2008, "3" 1984-88

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Intake	88	V-3916 Std-15	VIN Code "C"; Chrome plated stem; 1.7100" Head Dia., .3405" Stem Dia., 4.7270" O.A.L.
	6	Intake	87-79	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	6	Intake, Bulk	90-89	V-3916B15 15	VIN Codes "C" & "L"; Chrome plated stem; Carton of 25; 1.7100" Head Dia., .3555" Stem Dia., 4.7270" O.A.L.
VALVE TRAIN	6	Intake, Bulk	88	V-3916B15 15	VIN Code "C"; Chrome plated stem; Carton of 25; 1.7100" Head Dia., .3555" Stem Dia., 4.7270" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-88	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.
	12	Guide	90-88	VG-5006T	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.
VALVE TRAIN	6	Guide	87-75	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	6	Guide	87-75	VG-5051T	Exh.; Threaded; .3440" ID, 2.5000" O.A.L.
	6	Guide	87-75	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
	6	Guide	87-75	VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
VALVE TRAIN	6	Guide	87-75	VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	12	Guide, Bulk	90-88	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.
	6	Guide, Bulk	87-75	VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	6	Guide, Bulk	87-75	VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	89	VS-924	VIN Code "C"; 2.1100" Free Height
	12	Spring	87-86	VS-744	VIN Code "A"; 2.0200" Free Height
	12	Spring	85-77	VS-744	Exc. Regal & Riviera; 2.0200" Free Height
VALVE TRAIN	12	Spring	76-75	VS-744	w/o damper; 2.0200" Free Height
	12	Spring	76-75	VS-677	Incl. damper; 2.0300" Free Height
	12	Spring, Bulk	76-75	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-75	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	90-88	MV-1888A	Exh. & Int.; O.E. design; Positive type; Viton®
	6	Valve Stem Seal	87-82	MV-1888A	Int.; O.E. design; Positive type; Viton®
VALVE TRAIN	12	Valve Stem Seal Bulk	90-88	MV-1888	Exh. & Int.; O.E. design; Positive type; Carton of 50; Viton®
	12	Valve Stem Seal Bulk	90-75	ST-2001BC	Exh. & Int.; Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	6	Valve Stem Seal Bulk	87-82	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	90-88	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	6	Exh.	90-79	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	90-79	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
VALVE TRAIN	6	Int.	87-79	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Exh.	78-75	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	78-75	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	78-75	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
VALVE TRAIN	6	Int.	78-75	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-77	VK-115	Exh. & Int.; 1 groove; Square cut key groove
	24	Keeper	90-77	VK-115R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
	24	Keeper	76-75	VK-194	Exh. & Int.
VALVE TRAIN	24	Keeper, Bulk	90-77	VK-115B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	90-75	259-201B	.030"; Carton of 100
	12	Spring Insert	90-75	259-201A	.060"; Carton of 100
	12	Spring Insert	90-75	259-201ARS	.060"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-88	H558P Std-.50-.75-1.00-1.50MM	VIN Codes "C" & "L"; Use w/E-532K ring set; Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.377" CD, .9054" Pin Dia., Recessed Head .260" deep x 3.050" dia. - 8.5:1 C.R.
	6	Cast Piston	87-75	450NP Std-20-30-40-60	Use w/E-369K or E-369X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.
	6	Cast Piston - Individual	90-88	WH558P Std-.50-.75-1.00-1.50MM	VIN Codes "C" & "L"; Use w/WE-532K ring set; Hypereutectic; 2-1.50mm, 1-3.00mm Ring Groove, 1.377" CD, .9054" Pin Dia., Recessed Head .260" deep x 3.050" dia. - 8.5:1 C.R.
BLOCK	6	Cast Piston - Individual	87-75	W450NP Std-20-30-40-60	Use w/WE-369K or WE-369X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.

(continued on next page)

GM Car

47 3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75

(cont.) VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 & 2004-2008, "3" 1984-88

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cast Piston Set w/Prem. Rings	87-75	6K450NP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-89	E-532K Std-20-30-40-60	2-1.50MM, 1-3.00MM
1	Premium Set	88	E-532K Std-20-30-40-60	VIN Code "C"; 2-1.50MM, 1-3.00MM
1	Premium Set	88	E-369K Std-20-30-40-60	VIN Code "3"; 2-5/64, 1-3/16
1	Premium Set	87-75	E-369K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	90-89	E-532X Std Only	2-1.50MM, 1-3.00MM
1	Standard Set	88	E-532X Std Only	VIN Code "C"; 2-1.50MM, 1-3.00MM
1	Standard Set	88	E-369X Std-20-30-40-60	VIN Code "3"; 2-5/64, 1-3/16
1	Standard Set	87-75	E-369X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	90-89	WE-532K Std-20-30-40	2-1.50MM, 1-3.00MM
6	Premium Single Cylinder Set	88	WE-532K Std-20-30-40	VIN Code "C"; 2-1.50MM, 1-3.00MM
6	Premium Single Cylinder Set	88	WE-369K Std-20-30-40-60	VIN Code "3"; 2-5/64, 1-3/16
6	Premium Single Cylinder Set	87-75	WE-369K Std-20-30-40-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	88	WE-369X Std-20-30-40-60	VIN Code "3"; 2-5/64, 1-3/16
6	Standard Single Cylinder Set	87-75	WE-369X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7144MA Std-1-10-20-30-40	w/1/2" main bolt; A-Series aluminum bearings
1	Main Set	90-75	7150MA10 10-20-30	A-Series aluminum bearings ; .020" O/S length flange brg.
1	Main Set	89-75	7144MA Std-1-10-20-30-40	w/1/2" main bolt; A-Series aluminum bearings
1	Rod Set	90	6-3760A Std-1-10-20-30-40	.721" O.A.L.
1	Rod Set	90	6-3760A10X2 10X2-20X2-30X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set	90	6-3755A10X2 10X2-20X2-30X2-40X2	Exc. VIN Code "L"; Even fire Eng's.; A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set	90	6-3755AP10X2 10X2-20X2-30X2-40X2	Exc. VIN Code "L"; Even fire Eng's.; Use in .002" O/S Rod Bore
1	Rod Set	90	6-3755A Std-1-10-20-30-40	VIN Code "C"; A-Series aluminum bearings ; .659" O.A.L.
1	Rod Set	89-77	6-3755A10X2 10X2-20X2-30X2-40X2	Even fire Eng's.; A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set	89-77	6-3755AP10X2 10X2-20X2-30X2-40X2	Even fire Eng's.; Use in .002" O/S Rod Bore
1	Rod Set	89-77	6-3755A Std-1-10-20-30-40	VIN Code "A"; Even fire; A-Series aluminum bearings ; .659" O.A.L.
1	Rod Set	77-75	6-2500RAA Std-10-20-30-40	VIN Code "C"; A-Series aluminum bearings
6	Rod Pair	90	3760A Std-1-10-20-30-40	A-Series aluminum bearings ; .721" O.A.L.
6	Rod Pair	90	3755A Std-1-10-20-30-40	VIN Code "C"; A-Series aluminum bearings ; .659" O.A.L.
6	Rod Pair	89-77	3755A Std-1-10-20-30-40	Even fire; A-Series aluminum bearings ; .659" O.A.L.
6	Rod Pair	77-75	2500RAA Std-1-2-10-20-30-40	VIN Code "C"; Odd fire; A-Series aluminum bearings
1	Cam Set	90-88	1755M Std Only	VIN Code "C"; Babbitt material
1	Cam Set	88-86	1755M Std Only	VIN Code "3"; Babbitt material
1	Cam Set	87-85	1755M Std Only	VIN Code "A"; Babbitt material
1	Cam Set	85	1462M Std Only	VIN Code "3"; w/14 bolt oil pan; Babbitt material
1	Cam Set	85	1755M Std Only	VIN Code "3"; w/20 bolt oil pan; Babbitt material
1	Cam Set	85-75	1782M Std Only	1st design; w/14 bolt oil pan; Special oil control set contains 360 degree groove OD front brg.
1	Cam Set	84	1462M Std Only	VIN Code "A"; w/14 bolt oil pan; Babbitt material
1	Cam Set	84	1755M Std Only	VIN Code "A"; w/20 bolt oil pan; Babbitt material
1	Cam Set	84	1462M Std Only	VIN Code "3"; Babbitt material
1	Cam Set	83-75	1462M Std Only	VIN Code "A"; Babbitt material
1	Cam Set	77-75	1462M Std Only	VIN Code "C"; Babbitt material
1	Ball Brg.	90-88	205-L	Position Front; Bal. shaft ball brg.
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	90	224-51379	VIN Codes "C" & "L"
1	Pump Repair Kit	89-88	224-51379	VIN Code "C"
1	Pump Repair Kit	89-88	224-518	VIN Code "2"; Gear type
1	Pump Repair Kit	87-86	224-51379	VIN Codes "B" & "3"
1	Pump Repair Kit	87-80	224-518V	VIN Code "A"; High Volume; Installation may require timing cover removal
1	Pump Repair Kit	87-80	224-518TP	VIN Code "A"; Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Pump Repair Kit	87-77	224-51382	VIN Code "A"
1	Pump Repair Kit	87-77	224-518	VIN Code "A"; Gear type
1	Pump Repair Kit	79-78	224-51382	VIN Code "2"
1	Pump Repair Kit	79-78	224-518	VIN Code "2"; Gear type
1	Pump Repair Kit	79-78	224-518V	VIN Codes "A" & "2"; High Volume; Installation may require timing cover removal

(continued on next page)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75 47

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 (cont.) & 2004-2008, "3" 1984-88

QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	79-78	224-518TP	VIN Codes "A" & "2"; Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Pump Repair Kit	77	224-518V	VIN Codes "A" & "C"; High Volume; Installation may require timing cover removal
1	Pump Repair Kit	77	224-518TP	VIN Codes "A" & "C"; Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Pump Repair Kit	77-75	224-51382	VIN Code "C"
1	Pump Repair Kit	77-75	224-518	VIN Code "C"; Gear type
1	Pump Repair Kit	76-75	224-518V	VIN Code "C"; High Volume; Installation may require timing cover removal
1	Pump Repair Kit	76-75	224-518TP	VIN Code "C"; Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Screen Assy.	90	224-14269	VIN Code "C"; 1st design; w/oil level indicator; For 4-3/4" deep oil pan
1	Screen Assy.	89	224-14269	VIN Code "C"; For 4-3/4" deep oil pan
1	Screen Assy.	88	224-14269	VIN Codes "3" & "C"; For 4-3/4" deep oil pan
1	Screen Assy.	87	224-148	VIN Code "A"
1	Screen Assy.	87	224-14269	VIN Code "3"; For 4-3/4" deep oil pan
1	Screen Assy.	86	224-148	VIN Code "A"
1	Screen Assy.	86	224-138	VIN Code "B"; Exc. Riviera; Exc. Toronado; 1st design; w/5.375" deep oil pan; For 5-3/8" deep oil pan
1	Screen Assy.	86	224-138	VIN Code "3"; 1st design w/5.34" deep oil pan; For 5-3/8" deep oil pan
1	Screen Assy.	86	224-14269	VIN Codes "3" & "B"; 2nd design; w/4.72" deep oil pan; For 4-3/4" deep oil pan
1	Screen Assy.	85	224-148	VIN Code "A"
1	Screen Assy.	85	224-138	VIN Code "3"; For 5-3/8" deep oil pan
1	Screen Assy.	84	224-148	VIN Code "A"
1	Screen Assy.	84	224-138	VIN Code "3"; For 5-3/8" deep oil pan
1	Screen Assy.	83-81	224-128	VIN Code "A"; For 5-1/4" deep oil pan
1	Screen Assy.	80	224-128	VIN Code "A"; 2nd design; w/5.25" deep oil pan; For 5-1/4" deep oil pan
1	Screen Assy.	79	224-128	VIN Codes "A", & "2"; 2nd design; w/5.25" deep oil pan; For 5-1/4" deep oil pan
1	Tool	76-75	MT-J21882	Pump screen installation tool for 5/8" tube
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90	260-1566	VIN Code "L"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-88	260-1469	VIN Code "C"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	88	260-1465	VIN Code "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	87-86	260-1138	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	87-86	260-1236	VIN Codes "B" & "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	85	260-1181	VIN Code "3"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	85-84	260-1138	VIN Code "A"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	85-84	260-1182	VIN Code "3"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
1	Kit Gasket Set	84	260-1149	VIN Code "A"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
1	Kit Gasket Set	83	260-1032	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
1	Kit Gasket Set	83	260-1149	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.
1	Kit Gasket Set	82-75	260-1032	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.

(continued on next page)

GM Car

47 3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75

(cont.) VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 & 2004-2008, "3" 1984-88

BLOCK	QTY	GASKETS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Valley Pan Gasket Set	88-84	260-4006	VIN Codes "B" & "3"	
	1	Valley Pan Gasket Set	87-85	260-4014	VIN Code "A"	
	1	Valley Pan Gasket Set	84	260-4014	VIN Code "A"; w/Alum. manifold	
	1	Valley Pan Gasket Set	84	260-4006	VIN Code "A"; w/Cast iron manifold	
	1	Valley Pan Gasket Set	83-79	260-4006	VIN Code "A"	
	1	Head Bolt Set	90	260-2533	VIN Codes "C" & "L"; Replacement recommended	
	1	Head Bolt Set	89-88	260-2533	VIN Code "C"; Replacement recommended	
	1	Head Bolt Set	88-86	260-2526	VIN Codes "B" & "3"; Replacement recommended	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-85	381-8073			
1	Brass Block Plug Kit	84-75	381-8035			
1	Steel Block Plug Kit	84-75	381-4023			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6141M	205-1141M
	90	VIN Code "C"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6141	205-1141
	90	VIN Code "L"; Exh. pipe packing not incl.; w/1/2" main bolt; Incl. A-Series aluminum bearings ; w/.721" O.A.L. brgs. PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6415M	205-1415M
	90	VIN Code "L"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.721" O.A.L. brgs.	Re-ring		205-6415	205-1415
	90	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.659" O.A.L. brgs.	Re-ring w/Mains		----	205-1921M
	90	VIN Code "C"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.659" O.A.L. brgs.	Re-ring		----	205-1921
	90	VIN Code "L"; Exh. pipe packing not incl.; w/1/2" main bolt; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.721" O.A.L. brgs.	Re-ring w/Mains		----	205-1922M
	90	VIN Code "L"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; w/.721" O.A.L. brgs.	Re-ring		----	205-1922
	89	VIN Code "C"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6141 205-6141M	---- ----
	88	VIN Code "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6138	205-1138
	88	VIN Code "C"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6141 205-6141M	---- ----
	87	VIN Codes "B" & "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6015	205-1015

(continued on next page)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75 47

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 (cont.) & 2004-2008, "3" 1984-88

	RE-RING KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
K I T S	87	VIN Codes "B" & "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6015M	205-1015M	K I T S
	87	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-725	205-225	
	86	VIN Codes "B" & "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6015	205-1015	
	86	VIN Codes "B" & "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6015M	205-1015M	
	86	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-725	205-225	
	85	VIN Code "3"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-772	205-272	
	85-84	VIN Code "A"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-725	205-225	
	85-84	VIN Code "3"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; w/Integral dist. drive gear; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring		205-773	205-273	
	84	VIN Code "A"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-724 205-724M	205-224 205-224M	
	83	VIN Code "A"; 1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6083 205-6083M	205-1083 205-1083M	
	83	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-724 205-724M	205-224 205-224M	
	82-78	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6083 205-6083M	205-1083 205-1083M	
	77	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6083 205-6083M	205-1083 205-1083M	
	77	VIN Code "C"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-691 205-691M	205-191 205-191M	
	76-75	VIN Code "C"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-691 205-691M	205-191 205-191M	

(continued on next page)

GM Car

47 3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75

(cont.) VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 & 2004-2008, "3" 1984-88

K I T S	OVERHAUL KIT		PREMIUM KIT NO. BK-6040	ECONOMY KIT NO. ----	K I T S
	YEARS	DESCRIPTION			
	90	VIN Code "L"; w/1/2" main bolt; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/.721" O.A.L. brgs.	Block	----	
	90	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master	MKP-6141A	----
	90	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master w/o Pistons	MK-6141A	----
	90	VIN Code "C"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.	Master w/o Rods & Mains	505-6141A	----
	90	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master Master w/o Pistons	MKP-6141E MK-6141E	---- ----
	90	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.	Master w/o Rods & Mains	505-6141E	----
	90	VIN Code "L"; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Oil pump & cam kit not incl.	Master w/o Rods & Mains	505-6222A	----
	90	VIN Code "L"; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Freeze plugs not incl.	Master w/o Rods & Mains	505-6382A	----
	90	VIN Code "L"; w/1/2" main bolt; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/.721" O.A.L. brgs.	Master Master w/o Pistons	MKP-6405A MK-6405A	---- ----
	89	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master	MKP-6141A	----
	89	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master w/o Pistons	MK-6141A	----
	89	VIN Code "C"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.	Master w/o Rods & Mains	505-6141A	----
	89	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master Master w/o Pistons	MKP-6141E MK-6141E	---- ----

(continued on next page)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1990-75 47

VIN Codes "A" 1977-87, "B" 1986-87, "C" 1975-77 & 1988-91, "K" 1995-2005, "L" 1990-95, "2" 1978-79 (cont.) & 2004-2008, "3" 1984-88

	OVERHAUL KIT (cont.)						
	YEARS	DESCRIPTION				PREMIUM KIT NO.	ECONOMY KIT NO.
K I T S	89	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.	Master w/o Rods & Mains			505-6141E	----
	88	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master			MKP-6141A	----
	88	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/3 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master w/o Pistons			MK-6141A	----
	88	VIN Code "C"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit, Timing kit & oil pump kit not incl.	Master w/o Rods & Mains			505-6141A	----
	88	VIN Code "C"; Exh. pipe packing not incl.; w/1/2" main bolt; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.	Master Master w/o Pistons			MKP-6141E MK-6141E	---- ----
	88	VIN Code "C"; Exh. pipe packing not incl.; Cam sprocket w/1 bolt camshaft mounting; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & oil pump kit not incl.	Master w/o Rods & Mains			505-6141E	----
	87	VIN Code "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. crank sprocket w/double flats & 36MM balancer hub	Master w/o Rods & Mains			505-6015E	505-1015E
	86	VIN Code "3"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. crank sprocket w/double flats & 36MM balancer hub	Master w/o Rods & Mains			505-6015E	505-1015E
	84	VIN Codes "A" & "3"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; w/Integral dist. drive gear; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains			505-724A	505-224A
	83	VIN Code "A"; 1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains			505-650E	505-150E
	83	VIN Codes "A" & "3"; 2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; w/Integral dist. drive gear; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains			505-724A	505-224A
	82-79	VIN Code "A"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains			505-650E	505-150E
	77	VIN Code "C"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; w/Integral dist. drive gear; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master Master w/o Pistons			MKP-691C MK-691C	MKP-191C MK-191C

3.8L 231 OHV Turbo V6 (Buick), 3.8" Bore 1989-78 48

VIN Codes "G" 1978, "3" 1978-82, "7" 1986-87 & 1989, "8" 1983, "9" 1984-85

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	89	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610
1	3 Piece Set	87-78	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610
1	Timing Chain	89	222-359	54 Links
1	Timing Chain	87-78	222-359	54 Links

(continued on next page)

GM Car

48 3.8L 231 OHV Turbo V6 (Buick), 3.8" Bore 1989-78

(cont.) VIN Codes "G" 1978, "3" 1978-82, "7" 1986-87 & 1989, "8" 1983, "9" 1984-85

V A L V E T R A I N	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	89	222-44CT	Incl. spring
	1	Timing Chain Tensioner	87-78	222-44CT	Incl. spring
	1	Crank Sprocket	89	223-323	20 Teeth
	1	Crank Sprocket	87-78	223-323	20 Teeth
	1	Cam Sprocket	89	223-610	40 Teeth
	1	Cam Sprocket	87-78	223-610	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89	CS-792	
	1	Camshaft	87-86	CS-792	
	1	Camshaft	85-84	CS-792	VIN Code "9"; Regal
	1	Camshaft	85-84	CS-702	VIN Code "9"; Riviera
	1	Camshaft	83	CS-702	VIN Code "8"
	1	Camshaft	82-79	CS-702	VIN Code "3"
	1	Camshaft	78	CS-702	VIN Codes "G" & "3"
	1	Performance Cam	80-78	CS-1112R	VIN Code "3"; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 114 Degrees
	1	Performance Cam	80-78	CS-1016R	VIN Code "3"; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	78	CS-1016R	VIN Code "G"; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees
	12	Lifter	89	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	12	Lifter	89	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.
	12	Lifter	87-78	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	12	Lifter	87-78	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.
	12	Lifter, Bulk	89	HT-969B Std Only	Hyd.; Carton of 128
	12	Lifter, Bulk	89	HT-969RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	12	Lifter, Bulk	87-78	HT-969B Std Only	Hyd.; Carton of 128
	12	Lifter, Bulk	87-78	HT-969RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	1	Prelube	89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube	87-78	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	1	Cam/Lifter Kit	89	KC-792	Hyd.; Incl. (1) CS-792, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	87-86	KC-792	Hyd.; Incl. (1) CS-792, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	85-84	KC-792	VIN Code "9"; Regal; Hyd.; Incl. (1) CS-792, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	85-84	KC-702	VIN Code "9"; Riviera; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	83	KC-702	VIN Code "8"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	82-79	KC-702	VIN Code "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	80-78	KC-1112R	VIN Code "3"; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 114 Degrees; Incl. (1) CS-1112R, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	80-78	KC-1016R	VIN Code "3"; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	78	KC-1016R	VIN Code "G"; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	78	KC-702	VIN Codes "G" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	85-84	KCT-702	VIN Code "9"; Riviera; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	83	KCT-702	VIN Code "8"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-79	KCT-702	VIN Code "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	1	Cam/Lifter/Timing Kit	78	KCT-702	VIN Codes "G" & "3"; Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	89	RP-3253	8.4710" O.A.L.
	12	Push Rod	87-78	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	12	Push Rod	87-78	RP-3164	8.6930" O.A.L.
	12	Push Rod	87-78	RP-316435	8.7280" O.A.L.
	12	Push Rod	87-78	RP-316460	8.7530" O.A.L.

(continued on next page)

3.8L 231 OHV Turbo V6 (Buick), 3.8" Bore 1989-78 48

VIN Codes "G" 1978, "3" 1978-82, "7" 1986-87 & 1989, "8" 1983, "9" 1984-85 (cont.)

V A L V E T R A I N	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Push Rod, Bulk	89	BRP-3253	Carton of 100; 8.4710" O.A.L.
	12	Push Rod, Bulk	87-78	BRP-3164	Carton of 100; 8.6930" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	89	R-947	Rocker arm w/on-center push rod socket; Incl. arm & retainer
	6	Arm Assy.	89	R-870	L.H.; Incl. arm & retainer; Stamped steel
	12	Arm Assy.	87-78	R-947	Rocker arm w/on-center push rod socket; Incl. arm & retainer
	6	Arm Assy.	87-78	R-870	L.H.; Incl. arm & retainer; Stamped steel
	6	Arm	89	R-870W	L.H.; Stamped steel
	6	Arm	87-78	R-870W	L.H.; Stamped steel
	12	Retainer	89	MR-1829	L.H.; Stamped steel
	12	Retainer	87-78	MR-1829	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	89	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust	87-79	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust, Bulk	89	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Exhaust, Bulk	87-79	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
	6	Intake	89	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	6	Intake	87-79	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	89	VS-744	2.0200" Free Height
	12	Spring	87-85	VS-744	2.0200" Free Height
	12	Spring	84	VS-744	w/o damper; 2.0200" Free Height
	12	Spring	83-82	VS-744	Exc. Regal & Riviera; 2.0200" Free Height
	12	Spring	81-78	VS-744	2.0200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	89	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	87-78	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	6	Valve Stem Seal	89	MV-1888A	Int.; O.E. design; Positive type; Viton®
	6	Valve Stem Seal	87-78	MV-1888A	Int.; O.E. design; Positive type; Viton®
	12	Valve Stem Seal Bulk	89	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	6	Valve Stem Seal Bulk	89	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
	12	Valve Stem Seal Bulk	87-78	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	6	Valve Stem Seal Bulk	87-78	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	89	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	89	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	89	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Exh.	87-79	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	87-79	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	6	Int.	87-79	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	6	Exh.	78	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	78	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	78	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth
	6	Int.	78	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	89	VK-115	1 groove; Square cut key groove
	24	Keeper	89	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper	87-78	VK-115	1 groove; Square cut key groove
	24	Keeper	87-78	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	89	VK-115B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	87-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	89	259-201B	.030"; Carton of 100
	12	Spring Insert	89	259-201A	.060"; Carton of 100
	12	Spring Insert	89	259-201ARS	.060"; Carton of 500
	12	Spring Insert	87-78	259-201B	.030"; Carton of 100
	12	Spring Insert	87-78	259-201A	.060"; Carton of 100
	12	Spring Insert	87-78	259-201ARS	.060"; Carton of 500

(continued on next page)

GM Car

48 3.8L 231 OHV Turbo V6 (Buick), 3.8" Bore 1989-78

(cont.) VIN Codes "G" 1978, "3" 1978-82, "7" 1986-87 & 1989, "8" 1983, "9" 1984-85

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	87-86	H521ACP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets. DurOshield® skirt coated piston.
	6	Cast Piston	85-78	H521ACP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets. DurOshield® skirt coated piston.
	6	Cast Piston - Individual	87-86	WH521ACP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets. DurOshield® skirt coated piston.
	6	Cast Piston - Individual	87-86	WH521AP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets.
	6	Cast Piston - Individual	85-78	WH521ACP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets. DurOshield® skirt coated piston.
	6	Cast Piston - Individual	85-78	WH521AP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 7.9:1 C.R. Use in complete sets.
	6	Powerforged	83	L-2481F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.825" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. DurOshield® skirt coated piston.
	6	Powerforged	82-79	L-2481F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.825" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. DurOshield® skirt coated piston.
	6	Forged Piston - Individual	83	WL-2481F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.825" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. DurOshield® skirt coated piston.
	6	Forged Piston - Individual	82-79	WL-2481F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.825" CD, .9393" Pin Dia., Recessed Head .245" deep x 3.050" dia. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89	E-434K Std-20-30-40	2-5/64, 1-3/16
	1	Premium Set	87-78	E-434K Std-20-30-40	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	89	WE-434K Std-20-30-40	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	87-78	WE-434K Std-20-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1	Main Set	87-78	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
	1	Main Set	87-78	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
	1	Rod Set	89	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Rod Set	89	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	89	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore
	1	Rod Set	87-78	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Rod Set	87-78	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	87-78	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore
	6	Rod Pair	89	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	6	Rod Pair	87-78	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.
	1	Cam Set	89	1755M Std Only	Babbitt material
	1	Cam Set	89	1782M Std Only	Special oil control set contains 360 degree groove OD front brg.
	1	Cam Set	87-85	1755M Std Only	w/20 bolt oil pan; Babbitt material
	1	Cam Set	87-78	1782M Std Only	1st design; w/14 bolt oil pan; Special oil control set contains 360 degree groove OD front brg.
	1	Cam Set	84	1462M Std Only	w/14 bolt oil pan; Babbitt material
	1	Cam Set	84	1755M Std Only	w/20 bolt oil pan; Babbitt material
	1	Cam Set	83-78	1462M Std Only	w/14 bolt oil pan; Babbitt material
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	89	224-51382	
	1	Pump Repair Kit	89	224-518	Gear type
	1	Pump Repair Kit	89	224-518V	High Volume; Installation may require timing cover removal

BLOCK

(continued on next page)

3.8L 231 OHV Turbo V6 (Buick), 3.8" Bore 1989-78 48						
VIN Codes "G" 1978, "3" 1978-82, "7" 1986-87 & 1989, "8" 1983, "9" 1984-85 (cont.)						
BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	89	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions	
	1	Pump Repair Kit	87-83	224-51382	Gear type	
	1	Pump Repair Kit	87-78	224-518	High Volume; Installation may require timing cover removal	
	1	Pump Repair Kit	87-78	224-518V	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions	
	1	Pump Repair Kit	87-78	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions	
	1	Pump Repair Kit	78	224-51382	Regal	
	1	Screen Assy.	89	224-128	For 5-1/4" deep oil pan	
	1	Screen Assy.	87-86	224-128	VIN Code "7"; For 5-1/4" deep oil pan	
	1	Screen Assy.	85-84	224-148	Regal	
	1	Screen Assy.	83-80	224-128	Exc. Riviera; For 5-1/4" deep oil pan	
	1	Screen Assy.	79-78	224-128	2nd design; w/5.25" deep oil pan; For 5-1/4" deep oil pan	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-86	260-1238	VIN Code "7"; Int. manifold gskt. not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85-84	260-1138	VIN Code "9"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	84	260-1149	VIN Code "9"; w/14 bolt oil pan; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	83	260-1032	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	83	260-1149	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	82-78	260-1032	Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Premium valve stem seals incl.		
1	Valley Pan Gasket Set	87-84	260-4006	VIN Codes "7" & "9"		
1	Valley Pan Gasket Set	83-82	260-4006	Exc. Riviera		
1	Valley Pan Gasket Set	83-82	260-4014	Riviera		
1	Valley Pan Gasket Set	81-80	260-4014			
1	Valley Pan Gasket Set	79	260-4006			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	89	381-8073			
1	Brass Block Plug Kit	87-85	381-8073			
1	Brass Block Plug Kit	84-80	381-8035			
1	Brass Block Plug Kit	79-78	381-8035			
1	Steel Block Plug Kit	84-80	381-4023			
1	Steel Block Plug Kit	79-78	381-4023			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87-86	VIN Code "7"; Int. manifold gskt. not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.		Re-ring Re-ring w/Mains	205-6018 205-6018M	----- -----
	85-84	VIN Code "9"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.		Re-ring Re-ring w/Mains	205-6017 205-6017M	----- -----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION					
85	VIN Code "9"; w/20 bolt oil pan; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Pistons	MK-6017A	-----	
83	VIN Code "8"; w/14 bolt oil pan; 2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Mster w/Frg. Pstn. Prm. Rings	MKF-724D	-----	
3.8L 235 OHV L6 (Chevrolet), 3.5625" Bore 1962-53 49						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Crank Gear	62-53	221-2537	27 Teeth		

(continued on next page)

GM Car

49 3.8L 235 OHV L6 (Chevrolet), 3.5625" Bore 1962-53

(cont.)

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam Gear	62-53	221-2514	Alum.; 54 Teeth
1	Cam Gear	62-53	221-2500	Silent type; 54 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	62-59	CS-323	
1	Camshaft	55-54	CS-251	w/o Powerglide trans.
1	Camshaft	53	CS-338	w/o Powerglide trans.
1	Prelube	62-53	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	62-56	RP-3020	11.4740" O.A.L.
12	Push Rod	55-53	RP-3018	w/o Powerglide trans.; 10.8190" O.A.L.
12	Push Rod	55-53	RP-3020	w/Powerglide trans.; 11.4740" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
2	Rocker Shaft	62-56	RS-602	
2	Rocker Shaft	55-53	RS-602	w/Powerglide trans.
6	Nut	62-53	MR-1940	7/16-20 thread
6	Adj. Screw	62-53	MR-1939	7/16-20 thread
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	62-53	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	62-53	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	62-53	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Intake	62-54	V-1076 Std Only	1.8750" Head Dia., .3415" Stem Dia., 6.3910" O.A.L.
6	Intake	53	V-958 Std Only	w/o Powerglide trans.; 1.6410" Head Dia., .3412" Stem Dia., 6.2830" O.A.L.
6	Intake	53	V-1076 Std Only	w/Powerglide trans.; 1.8750" Head Dia., .3415" Stem Dia., 6.3910" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	62-53	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.
6	Guide	62-53	VG-473	Int.; .3435" ID, 3.3400" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	62-59	VS-534	2.1600" Free Height
12	Spring	58-53	VS-424	2.2500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	62-53	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	62-53	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	62-53	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	62-53	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	62-53	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
6	Exh.	62-53	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	62-53	VK-115	1 groove; Square cut key groove
24	Keeper	62-53	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	62-53	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	62-53	259-200B	.030"; Carton of 100
12	Spring Insert	62-53	259-200A	.060"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	62-53	1009P Std-20-30-40-60-80	Use w/E-237KC or E-237X ring set; Cast; 2-3/32", 1-3/16" Ring Groove, 2.062" CD, .8650" Pin Dia., Flat Head
6	Cast Piston - Individual	62-53	W1009P Std-20-30-40-60-80	Use w/WE-237KC or WE-237X ring set; Cast; 2-3/32", 1-3/16" Ring Groove, 2.062" CD, .8650" Pin Dia., Flat Head
12	Pin Bushing	53	9559X	2 req'd. per rod
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	62-54	E-237KC Std-20-30-40-60	2-3/32, 1-3/16
1	Premium Set	53	E-237KC Std-20-30-40-60	w/Powerglide trans.; 2-3/32, 1-3/16
1	Standard Set	62-54	E-237X Std-20-30-40-60-80	2-3/32, 1-3/16
1	Standard Set	53	E-135X Std-30	w/o Powerglide trans.; 1-3/32, 1-1/8, 1-3/16
1	Standard Set	53	E-237X Std-20-30-40-60-80	w/Powerglide trans.; 2-3/32, 1-3/16
6	Premium Single Cylinder Set	62-54	WE-237KC Std-20-30-40-60	2-3/32, 1-3/16
6	Premium Single Cylinder Set	53	WE-237KC Std-20-30-40-60	w/Powerglide trans.; 2-3/32, 1-3/16
6	Standard Single Cylinder Set	62-54	WE-237X Std-30-40-60-80	2-3/32, 1-3/16
6	Standard Single Cylinder Set	53	WE-237X Std-30-40-60-80	w/Powerglide trans.; 2-3/32, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	62-56	960M Std-10-20-30-40-50-60	Use w/FSM-124S shim set

(continued on next page)

3.8L 235 OHV L6 (Chevrolet), 3.5625" Bore 1962-53 49
 (cont.)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Main Set	55-54	853M Std-10-20-30-40	Use w/FSM-124S shim set
	1	Main Set	53	648M Std-10-20-30	w/o Powerglide trans.; Use w/FSM-105S shim set
	1	Main Set	53	853M Std-10-20-30-40	w/Powerglide trans.; Use w/FSM-124S shim set
	1	Shim Set	62-53	FSM-124S	
	1	Shim Set	53	FSM-104S	
	1	Shim Set	53	FSM-105S	
	1	Rod Set	62-54	6-1950CP Std-10-20-30-40-50	6-1950CA 60 avail. as unplated & resizeable
	1	Rod Set	53	6-1950CP Std-10-20-30-40-50	W/Powerglide trans.; 6-1950CA 60 avail. as unplated & resizeable
	1	Rod Set	62-54	6-1950CA60 60	Unplated & resizeable
BLOCK	1	Rod Set	53	6-1950CA60 60	W/Powerglide trans.; Unplated & resizeable
	6	Rod Pair	62-54	1950CP Std-10-20-30-40-50	
	6	Rod Pair	53	1415SB10 10-20	w/M/T; Insert type rod brg. for 18R rod forgings that have been converted from babbitted to insert type; Use w/FSM-104S shim set
	6	Rod Pair	53	1950CP Std-10-20-30-40-50	W/Powerglide trans.
	1	Cam Set	62-54	1170M Std Only	w/Large dia. brgs.
	1	Cam Set	54-53	1094M Std Only	w/small dia. brgs.
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	62-55	224-4141	
	1	Oil Pump	54	224-4142	w/o Powerglide trans.
	1	Oil Pump	53	224-4140	w/o Powerglide trans.
BLOCK	1	Oil Pump	53	224-4142	W/Powerglide trans.
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	62-53	260-1569	

4.1L 250 (4097cc) OHV V8 (Cadillac), 88mm Bore 1988-82 50
 VIN Codes "7" 1987-88, "8" 1982-87

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	87-82	KT3-503S	VIN Code "8"; Incl. (1) 222-503, (1) 223-533, (1) 223-546
	1	Timing Chain	88-82	222-503	44 Links
	1	Crank Sprocket	88-82	223-533	17 Teeth
	1	Cam Sprocket	87-82	223-546	VIN Code "8"; 34 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	88-87	CS-1540	VIN Code "7"
	1	Camshaft	87-82	CS-751	VIN Code "8"; Must be used w/new distributor gear O.E. No. 10499813
	16	Lifter	88-87	HT-2148 Std Only	VIN Code "7"; Hyd. rlr.
	16	Lifter	87-82	HT-969 Std Only	VIN Code "8"; Hyd.; w/.440" wide oil groove
VALVE TRAIN	16	Lifter, Bulk	88-87	HT-2148B Std Only	VIN Code "7"; Hyd. rlr.; Carton of 128
	16	Lifter, Bulk	87-82	HT-969B Std Only	VIN Code "8"; Hyd.; Carton of 128
	1	Prelube	88-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	88-87	KC-1540	VIN Code "7"; Hyd. rlr.; Incl. (1) CS-1540, (16) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	87-82	KC-751	VIN Code "8"; Must be used w/new distributor gear O.E. No. 10499813; Hyd.; Incl. (1) CS-751, (16) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-82	KCT-751	VIN Code "8"; Must be used w/new distributor gear O.E. No. 10499813; Hyd.; Incl. (1) CS-751, (16) HT-969, (1) KT3-503S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	87-82	RP-3240	VIN Code "8"; 8.2100" O.A.L.
	16	Push Rod, Bulk	87-82	BRP-3240	VIN Code "8"; Carton of 100; 8.2100" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm	88-82	R-913	
	16	Arm, Bulk	88-82	R-913B	Carton of 64
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	88-87	V-2528 Std Only	Chrome plated stem; w/round cut groove; 1.2990" Head Dia., .3404" Stem Dia., 4.7290" O.A.L.
	8	Exhaust	86	V-2528 Std Only	2nd design; Chrome plated stem; w/round cut groove; 1.2990" Head Dia., .3404" Stem Dia., 4.7290" O.A.L.
	8	Intake	88-87	V-3948 Std Only	Chrome plated stem; w/round cut groove; 1.5350" Head Dia., .3416" Stem Dia., 4.8230" O.A.L.
	8	Intake	86-82	V-3948 Std Only	2nd design; Chrome plated stem; w/round cut groove; 1.5350" Head Dia., .3416" Stem Dia., 4.8230" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	88-82	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.

(continued on next page)

GM Car

50 4.1L 250 (4097cc) OHV V8 (Cadillac), 88mm Bore 1988-82

(cont.) VIN Codes "7" 1987-88, "8" 1982-87

VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Guide	88-82	VG-5006T	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.
	16	Guide, Bulk	88-82	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	88-82	VS-1531	Exh.; 2.1800" Free Height
	8	Spring	88-82	VS-1532	Int.; 2.2650" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	88-82	ST-2065	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	88-82	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	86-82	VK-115	1st design; 1 groove; Square cut key groove
	32	Keeper	86-82	VK-115R	1st design; 1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	86-82	VK-115B	1st design; 1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	88-82	259-201B	.030"; Carton of 100
	16	Spring Insert	88-82	259-201A	.060"; Carton of 100
	16	Spring Insert	88-82	259-201ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	87-82	502NP * Std-.25-.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.630" CD, .8658" Pin Dia., Recessed Head .161" deep x 2.125" dia. - 8.5:1 C.R.
	8	Cast Piston	87-82	502P + Std-.25-.50MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.630" CD, .8658" Pin Dia., Recessed Head .161" deep x 2.125" dia. - 8.5:1 C.R.; When depleted use 502NP
BLOCK	8	Cast Piston - Individual	87-82	W502NP * Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.630" CD, .8658" Pin Dia., Recessed Head .161" deep x 2.125" dia. - 8.5:1 C.R.
	8	Cast Piston - Individual	87-82	W502P + Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 1.630" CD, .8658" Pin Dia., Recessed Head .161" deep x 2.125" dia. - 8.5:1 C.R.; When depleted use W502NP
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-82	E-444K Std-.25-.50MM	VIN Code "8"; 2-2.00MM, 1-4.00MM
	1	Standard Set	87-82	E-444X Std-.25MM	VIN Code "8"; 2-2.00MM, 1-4.00MM
	8	Premium Single Cylinder Set	87-82	WE-444K Std-.25-.50MM	VIN Code "8"; 2-2.00MM, 1-4.00MM
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Sealing Ring	87-82	SLR-9129	VIN Code "8"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-82	7046MA Std-.25-.50-.75MM	A-Series aluminum bearings; w/std. length flange brg.
BLOCK	1	Main Set	88-82	7222M.25MM .25MM	Use in .25MM O/S Housing Bore
	1	Rod Set	88-82	8-3870RA Std-.25-.50-.75MM	A-Series aluminum bearings
	1	Rod Set	88-82	8-3870RA25X2 25X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	8	Rod Pair	88-82	3870RA Std-.026-.25-.50-.75MM	A-Series aluminum bearings
	1	Cam Set	88-82	1757M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	88	224-43433S	Allante; Incl. screen
	1	Oil Pump	87	224-43433S	Allante, Eldorado & Seville; Incl. screen
	1	Oil Pump	86	224-43433S	Eldorado & Seville; Incl. screen
	1	Oil Pump	85-82	224-43432S	Eldorado & Seville; Incl. screen
BLOCK	1	Oil Pump	85-82	224-43433S	Fleetwood & DeVille; Incl. screen
	1	Pump Repair Kit	87-82	224-5129	VIN Code "8"; Use w/oil pump housing having 9 tooth gears
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87	260-1473	VIN Code "8"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86	260-1473	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	85	260-1473	DeVille, Fleetwood 75, Fleetwood 75 Formal, Fleetwood Base, Fleetwood D'Elegance, Series 75 Fleetwood; w/Alum. valve covers; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	85	260-1470	60 Special, Eldorado, Seville, Commercial Chassis, Fleetwood Brougham, Fleetwood Brougham D'Elegance; w/Steel valve covers; Premium valve stem seals incl.
	1	Kit Gasket Set	84-82	260-1470	Premium valve stem seals incl.

(continued on next page)

4.1L 250 (4097cc) OHV V8 (Cadillac), 88mm Bore 1988-82 **50**

VIN Codes "7" 1987-88, "8" 1982-87 (cont.)

KITS

RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
87	VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6144M	-----
87	VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6144	-----
86	VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6144M	-----
86	VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6144	-----
85	VIN Code "8"; 60 Special, Eldorado, Seville, Commercial Chassis, Fleetwood Brougham, Fleetwood Brougham D'Elegance; w/Steel valve covers; Incl. A-Series aluminum bearings ; w/std. length flange brg.; Premium valve stem seals incl.	Re-ring w/Mains	205-6142M	-----
85	60 Special, Eldorado, Seville, Commercial Chassis, Fleetwood Brougham, Fleetwood Brougham D'Elegance; w/Steel valve covers; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-6142	-----
85	VIN Code "8"; DeVille, Fleetwood 75, Fleetwood 75 Formal, Fleetwood Base, Fleetwood D'Elegance, Series 75 Fleetwood; w/Alum. valve covers; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6144M	-----
85	VIN Code "8"; DeVille, Fleetwood 75, Fleetwood 75 Formal, Fleetwood Base, Fleetwood D'Elegance, Series 75 Fleetwood; w/Alum. valve covers; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6144	-----
84-82	VIN Code "8"; Incl. A-Series aluminum bearings ; w/std. length flange brg.; Premium valve stem seals incl.	Re-ring w/Mains	205-6142M	-----
84-82	VIN Code "8"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-6142	-----
OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
87	VIN Code "8"; Exh. pipe packing not incl.; Must be used w/new distributor gear O.E. No. 10499813; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Use w/oil pump housing having 9 tooth gears	Master w/o Pistons	MK-6144A	-----
86	VIN Code "8"; Exh. pipe packing not incl.; Must be used w/new distributor gear O.E. No. 10499813; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Use w/oil pump housing having 9 tooth gears	Master w/o Pistons	MK-6144A	-----
85	VIN Code "8"; 60 Special, Eldorado, Seville, Commercial Chassis, Fleetwood Brougham, Fleetwood Brougham D'Elegance; w/Steel valve covers; Must be used w/new distributor gear O.E. No. 10499813; Incl. A-Series aluminum bearings ; w/std. length flange brg.; Premium valve stem seals incl.; Use w/oil pump housing having 9 tooth gears	Master w/o Pistons	MK-6142A	-----

KITS

(continued on next page)

GM Car

50 4.1L 250 (4097cc) OHV V8 (Cadillac), 88mm Bore 1988-82

(cont.) VIN Codes "7" 1987-88, "8" 1982-87

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MK-6144A	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION			
	85	VIN Code "8"; DeVille, Fleetwood 75, Fleetwood 75 Formal, Fleetwood Base, Fleetwood D'Elegance, Series 75 Fleetwood; w/Alum. valve covers; Exh. pipe packing not incl.; Must be used w/new distributor gear O.E. No. 10499813; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Use w/oil pump housing having 9 tooth gears			
	84-82	VIN Code "8"; Must be used w/new distributor gear O.E. No. 10499813; Incl. A-Series aluminum bearings ; w/std. length flange brg.; Premium valve stem seals incl.; Use w/oil pump housing having 9 tooth gears	MK-6142A	-----	

51 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1979-65

VIN Code "D" 1972-79

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Gear Set	79-77	221-2540S	Incl. (1) 221-2526, (1) 221-2541	
	1	Gear Set	76	221-2540S	Late 1976; w/Integral cyl. head; Incl. (1) 221-2526, (1) 221-2541	
	1	Gear Set	76-75	221-2525S	w/o Integral cyl. head; Cam gear stamped "14"; Crank gear stamped "71"; Incl. (1) 221-2524, (1) 221-2537	
	1	Gear Set	76-75	221-2528S	w/o Integral cyl. head; Cam gear stamped "20"; Crank gear stamped "20"; Incl. (1) 221-2526, (1) 221-2527	
	1	Gear Set	74-66	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
	1	Crank Gear	79-77	221-2541	27 Teeth	
	1	Crank Gear	76-75	221-2527	w/o Integral int. manifold; w/"GM20" stamped on gear face; 27 Teeth	
	1	Crank Gear	76-75	221-2537	w/Integral int. manifold; w/"GM71" stamped on gear face; 27 Teeth	
	1	Crank Gear	75-68	221-2537	27 Teeth	
	1	Cam Gear	79-77	221-2526	Alum.; 54 Teeth	
	1	Cam Gear	76	221-2524	w/"14" stamped on gear face; Alum.; 54 Teeth	
	1	Cam Gear	76	221-2526	w/"20" stamped on gear face; Alum.; 54 Teeth	
	1	Cam Gear	75	221-2526	w/o integral int. manifold; Alum.; 54 Teeth	
	1	Cam Gear	75	221-2524	w/Integral int. manifold; Alum.; 54 Teeth	
	1	Cam Gear	74-66	221-2524	Alum.; 54 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	79-77	CS-677		
	1	Camshaft	76-75	CS-633	w/o Integral cyl. head	
	1	Camshaft	76-75	CS-677	w/Integral cyl. head	
	1	Camshaft	74-66	CS-633		
	12	Lifter	79-66	HT-817 Std Only	Hyd.	
	12	Lifter, Bulk	79-66	HT-817B Std Only	Hyd.; Carton of 128	
	1	Prelube	79-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	79-77	KC-677	Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	76-75	KC-633	w/o Integral cyl. head; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	76-75	KC-677	w/Integral cyl. head; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	74-66	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	79-77	KCT-677C	Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	76	KCT-677C	Late 1976; w/Integral cyl. head; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	76-75	KCT-633A	w/o Integral cyl. head; Cam gear stamped "14"; Crank gear stamped "71"; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	74-66	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Push Rod	79-66	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	12	Push Rod	79-66	RP-3180	9.6800" O.A.L.	
	12	Push Rod, Bulk	79-66	BRP-3180	Carton of 100; 9.6800" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Arm Assy.	79-66	R-832	Incl. arm, ball & nut	
	12	Arm Assy., Bulk	79-66	R-832B	Incl. arm, ball & nut; Carton of 64	
	12	Arm	79-66	R-832A		
	12	Pivot Ball	79-66	MR-1780		

(continued on next page)

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1979-65 **51**

VIN Code "D" 1972-79 (cont.)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
12	Nut	79-66	MR-1751	Self-locking, 3/8" x 24 threads
12	Stud	79-66	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	79-66	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	79-66	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	79-66	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	79-66	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
6	Intake	79-66	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	79-66	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	74-66	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	74-66	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	79-77	VS-521	Exh. & Int.; Incl. damper; 2.1090" Free Height
12	Spring	76-75	VS-653	Exh. & Int.; w/o Integral cyl. head; 1.9000" Free Height
12	Spring	76-75	VS-521	Exh. & Int.; W/Integral cyl. head; Incl. damper; 2.1090" Free Height
12	Spring	74-67	VS-653	Exh. & Int.; 1.9000" Free Height
12	Spring	66	VS-521	Exh. & Int.; Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	79-75	ST-2003	Positive type; Installation requires valve guide machining; Rubber
12	Valve Stem Seal	79-75	ST-2092	Positive type; Rubber
12	Valve Stem Seal	74-66	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	74-66	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
12	Valve Stem Seal	79-66	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	79-75	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
12	Valve Stem Seal Bulk	79-66	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	74-66	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	79-66	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
6	Exh.	79-66	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
6	Int.	74-66	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	79-66	VK-115	1 groove; Square cut key groove
24	Keeper	79-66	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	79-66	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	79-66	259-203C	.015"; Carton of 100
12	Spring Insert	79-66	259-203B	.030"; Carton of 100
12	Spring Insert	79-66	259-203BRS	.030"; Carton of 500
12	Spring Insert	79-66	259-203A	.060"; Carton of 100
12	Spring Insert	79-66	259-203ARS	.060"; Carton of 500
6	Rotocap	74-71	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	79-66	403CP30 30-40-60	Use w/E-234K or E-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
6	Cast Piston	79-66	403P Std-20-30-40-60-80	Use w/E-234K or E-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
6	Cast Piston	79-66	599P40 40-60	Use w/E-234K or E-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .115" deep
6	Cast Piston - Individual	79-66	W403CP30 30-40-60	Use w/WE-234K or WE-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
6	Cast Piston - Individual	79-66	W403P Std-20-30-40-60-80	Use w/WE-234K or WE-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
6	Cast Piston - Individual	79-66	W599P40 * 40-60	Use w/WE-234K or WE-234X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .115" deep

(continued on next page)

* New Item — Check For Availability

GM Car

51 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1979-65

(cont.) VIN Code "D" 1972-79

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Pin	79-66	P-2208 Std-3-5-0015		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	79-71	E-234K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	79-71	E-234X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	79-71	WE-234K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	79-71	WE-234X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	6	Repair Sleeve	79-66	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
KITS	1	Main Set	79-66	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	KITS
	1	Rod Set	79-66	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable	
	1	Rod Set	79-66	6-2020CA60 60	Unplated & resizeable	
	6	Rod Pair	79-66	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	79-71	1557M Std Only		
	1	Cam Set	70-68	1203M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	79-66	224-4147		
	1	Oil Pump	79-66	224-4157	High Volume, check pan for clearance	
	1	Screen Assy.	79-66	224-1347		
KITS	1	Tool	79-66	MT-J21882	Pump screen installation tool for 5/8" tube	KITS
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	79-75	260-1019	w/Integral cyl. head	
	1	Kit Gasket Set	79-66	260-1005	w/o Integral cyl. head	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	79-65	381-8006		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	79-77	w/o Integral cyl. head	Re-ring		205-614	205-114
	79-77	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Re-ring w/Mains		205-614M	205-114M
KITS	79-77	w/Integral cyl. head	Re-ring		205-615	205-115
	79-77	w/Integral cyl. head; Incl. A-Series aluminum bearings	Re-ring w/Mains		205-615M	205-115M
	76-75	w/o Integral cyl. head	Re-ring		205-614	205-114
	76-75	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Re-ring w/Mains		205-614M	205-114M
	76-75	w/Integral cyl. head	Re-ring		205-615	205-115
	76-75	w/Integral cyl. head; Incl. A-Series aluminum bearings	Re-ring w/Mains		205-615M	205-115M
	74-71	w/o Integral cyl. head	Re-ring		205-614	205-114
	74-71	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Re-ring w/Mains		205-614M	205-114M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
KITS	79-77	w/o Integral cyl. head	Master w/o Rods & Mains		505-614G	505-114G
	79-77	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614G MK-614G	MKP-114G MK-114G
	79-77	w/Integral cyl. head	Master w/o Rods & Mains		505-615A	505-115A
	79-77	w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-615A MK-615A	MKP-115A MK-115A
	76	Cam gear stamped "14"; Crank gear stamped "71"; w/o Integral cyl. head	Master w/o Rods & Mains		505-614A	505-114A
	76	Cam gear stamped "14"; Crank gear stamped "71"; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614A MK-614A	MKP-114A MK-114A
	76	Cam gear stamped "20"; Crank gear stamped "20"; w/o Integral cyl. head	Master w/o Rods & Mains		505-614C	505-114C
	76	Cam gear stamped "20"; Crank gear stamped "20"; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614C MK-614C	MKP-114C MK-114C
	76	Late 1976; w/Integral cyl. head	Master w/o Rods & Mains		505-615A	505-115A

(continued on next page)

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1979-65 51

VIN Code "D" 1972-79 (cont.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.		ECONOMY KIT NO.		K I T S
	YEARS	DESCRIPTION						
	76	Late 1976; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-615A MK-615A		MKP-115A MK-115A	
	75	Cam gear stamped "14"; Crank gear stamped "71"; w/o Integral cyl. head	Master w/o Rods & Mains		505-614A		505-114A	
	75	Cam gear stamped "14"; Crank gear stamped "71"; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614A MK-614A		MKP-114A MK-114A	
	75	Cam gear stamped "20"; Crank gear stamped "20"; w/o Integral cyl. head	Master w/o Rods & Mains		505-614C		505-114C	
	75	Cam gear stamped "20"; Crank gear stamped "20"; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614C MK-614C		MKP-114C MK-114C	
	74-71	w/o Integral cyl. head	Master w/o Rods & Mains		505-614A		505-114A	
	74-71	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons		MKP-614A MK-614A		MKP-114A MK-114A	

4.1L 250 SOHC L6 (Pontiac), 3.875" Bore 1969-68 52

B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Valve Stem Seal	69-68	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
	6	Valve Stem Seal	69-68	ST-2092	Positive type; Rubber	
	6	Valve Stem Seal Bulk	69-68	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K
	12	Keeper	69-68	VK-115	1 groove; Square cut key groove	
	12	Keeper	69-68	VK-115R	1 groove; Square cut key groove; Hardened	
	12	Keeper, Bulk	69-68	VK-115B	1 groove; Square cut key groove; Carton of 1000	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	69-68	E-234K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	69-68	E-234X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	69-68	WE-234K Std-20-30-40-60	2-5/64, 1-3/16	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Main Set	69-68	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set	69-68	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable	
	1	Rod Set	69-68	6-2020CA60 60	Unplated & resizeable	
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Brass Block Plug Kit	69-68	381-8006		

4.1L 252 OHV V6 (Buick), 3.965" Bore 1985-80 53

VIN Code "4" 1980-85

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	85-80	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610	
	1	Timing Chain	82-80	222-359	54 Links	
	1	Crank Sprocket	82-80	223-323	20 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	84-80	CS-702		
	1	Performance Cam	80	CS-1112R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .4240" Int., .4480" Exh.; Lobe Separation 114 Degrees	
	1	Performance Cam	80	CS-1016R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4480" Int., .4720" Exh.; Lobe Separation 112 Degrees	
V A L V E T R A I N	QTY	LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Lifter	84-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	12	Lifter	84-80	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.	
	12	Lifter, Bulk	84-80	HT-969B Std Only	Hyd.; Carton of 128	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	84-80	KC-702	Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B	

(continued on next page)

GM Car

53 4.1L 252 OHV V6 (Buick), 3.965" Bore 1985-80
(cont.) VIN Code "4" 1980-85

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	80	KC-1112R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .424" Int., .448" Exh.; Lobe Separation 114 Degrees; Incl. (1) CS-1112R, (12) HT-969, (1) 55-403B
1	Cam/Lifter Kit	80	KC-1016R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .448" Int., .472" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1016R, (12) HT-969, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-80	KCT-702	Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	85-80	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
12	Push Rod	85-80	RP-3164	8.6930" O.A.L.
12	Push Rod	85-80	RP-316435	8.7280" O.A.L.
12	Push Rod	85-80	RP-316460	8.7530" O.A.L.
12	Push Rod, Bulk	85-80	BRP-3164	Carton of 100; 8.6930" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
6	Arm Assy.	85-80	R-870	Exh. 1-4-5; Incl. arm & retainer; Stamped steel
6	Arm Assy.	85-80	R-870	Int. 2-3-6; Incl. arm & retainer; Stamped steel
6	Arm	85-80	R-870W	Exh. 1-4-5; Stamped steel
6	Arm	85-80	R-870W	Int. 2-3-6; Stamped steel
12	Retainer	85-80	MR-1829	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	84-80	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
6	Exhaust, Bulk	84-80	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
6	Intake	84-80	V-2117 Std-15	Chrome plated stem; 1.7100" Head Dia., .3407" Stem Dia., 4.7130" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	84-80	VG-5002	.3420" ID, 3.0600" O.A.L.
12	Guide	84-80	VG-5002T	Exh. & Int.; Threaded; .3430" ID, 3.0630" O.A.L.
12	Guide, Bulk	84-80	VG-5002B	Carton of 50; .3420" ID, 3.0600" O.A.L.
12	Guide, Bulk	84-80	VG-5002TB	Exh. & Int.; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	84-80	VS-677	Exh.; Incl. damper; 2.0300" Free Height
6	Spring	84-80	VS-744	Int.; 2.0200" Free Height
6	Spring, Bulk	84-80	VS-677B	Exh.; Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	85-80	ST-2001	Exh. & Int.; Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
6	Valve Stem Seal	83-82	MV-1888C	Int.; w/.605" valve guide OD; Positive type; Viton®
12	Valve Stem Seal Bulk	85-80	ST-2001BC	Exh. & Int.; Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
6	Valve Stem Seal Bulk	83-82	MV-1888	Int.; w/.605" valve guide OD; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	84-80	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
6	Exh.	84-80	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
6	Int.	84-80	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	85-80	VK-115	1 groove; Square cut key groove
24	Keeper	85-80	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	85-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	84-80	259-201B	.030"; Carton of 100
12	Spring Insert	84-80	259-201A	.060"; Carton of 100
12	Spring Insert	84-80	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	84-80	H471CP30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.808" CD, .9397" Pin Dia., Recessed Head .276" deep x 3.215" dia. - 7.9:1 C.R. DurOshield® skirt coated piston.
6	Cast Piston - Individual	84-80	WH471CP30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.808" CD, .9397" Pin Dia., Recessed Head .276" deep x 3.215" dia. - 7.9:1 C.R. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	84-80	E-408X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	84-80	WE-408K30 30-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	84-80	WE-408X Std-20-30-40	2-5/64, 1-3/16

(continued on next page)

4.1L 252 OHV V6 (Buick), 3.965" Bore 1985-80 **53**

VIN Code "4" 1980-85 (cont.)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	85-80	7144MA Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Main Set	85-80	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.	
	1	Rod Set	85-80	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	
	1	Rod Set	85-80	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
BLOCK	1	Rod Set	85-80	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore	BLOCK
	6	Rod Pair	85-80	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	
	1	Cam Set	85-80	1462M Std Only	Babbitt material	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	84-80	224-51382		
BLOCK	1	Pump Repair Kit	84-80	224-518	Gear type	BLOCK
	1	Pump Repair Kit	84-80	224-518V	High Volume; Installation may require timing cover removal	
	1	Pump Repair Kit	84-80	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions	
	1	Screen Assy.	84-80	224-128	For 5-1/4" deep oil pan	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Kit Gasket Set	85-84	260-1149	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	BLOCK
	1	Kit Gasket Set	83	260-1032	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	83	260-1149	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	82-80	260-1032	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	85-80	260-4014		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	84-80	381-8035		
	1	Steel Block Plug Kit	84-80	381-4023		
	YEARS	DESCRIPTION				
	84	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.		Re-ring	PREMIUM KIT NO. -----	ECONOMY KIT NO. 205-233
KITS	83	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.		Re-ring	-----	205-232
	83	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.		Re-ring	-----	205-233
	82-80	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.		Re-ring	-----	205-232
	YEARS	DESCRIPTION				
	84	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	PREMIUM KIT NO. ----- -----	ECONOMY KIT NO. MKP-233A MK-233A
KITS	83	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	----- -----	MKP-232A MK-232A
	83	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	----- -----	MKP-233A MK-233A
	82-80	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	----- -----	MKP-232A MK-232A
	YEARS	DESCRIPTION				
	84	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	PREMIUM KIT NO. ----- -----	ECONOMY KIT NO. MKP-233A MK-233A

GM Car

54 4.3L 260 OHV V8 (Oldsmobile), 3.5" Bore 1982-75

VIN Codes "F" 1975-81, "8" 1982

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	82-75	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349
	1	Timing Set w/Gaskets	82-75	CTS-1005	
	1	Timing Chain	82-77	222-498	48 Links
	1	Timing Chain	76-75	222-498	48 Links
	1	Crank Sprocket	82-75	223-349	18 Teeth
	1	Cam Sprocket	82-75	223-348	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-75	CS-698	
	16	Lifter	82-75	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	82-75	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	82-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-75	KC-698	Hyd.; Incl. (1) CS-698, (16) HT-951, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	82-80	RP-3205	8.2480" O.A.L.
	16	Push Rod	79-75	RP-3174	8.2340" O.A.L.
	16	Push Rod, Bulk	82-80	BRP-3205	Carton of 100; 8.2480" O.A.L.
	16	Push Rod, Bulk	79-75	BRP-3174	Carton of 100; 8.2340" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	82-80	R-882	Incl. 2-arms, 2-pivots & 1-pivot bridge
	8	Arm Assy.	79-75	R-856	Incl. 2-arms & 1-pivot assy.
	8	Arm Assy., Bulk	82-80	R-882B	Incl. 2-arms, 2-pivots & 1-pivot bridge; Carton of 32
	8	Arm Assy., Bulk	79-75	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
	8	Arm	82-80	R-882A	
	8	Arm	79-75	R-856A	
	8	Arm, Bulk	82-80	R-882AB	Carton of 64
	8	Pivot	82-75	MR-1903	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	82-75	VG-5038	Exh. & Int.; .3430" ID, 2.1200" O.A.L.
	16	Guide, Bulk	82-75	VG-5038B	Exh. & Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	82-75	VS-721	1.9600" Free Height
	16	Spring, Bulk	82-75	VS-721B	Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	82-75	ST-2001	Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	82-75	MV-1903	Exh. & Int.; Use w/VG-5038 repair guide; Positive type; Rubber
	8	Valve Stem Seal	82-75	MV-1819C	Int.; Umbrella type; Nylon
	16	Valve Stem Seal Bulk	82-75	ST-2001BC	Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	82-75	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	82-75	245-1437-4 Std Only	1.4420" OD, 1.1250" ID, .2160" Depth
	8	Int.	82-75	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	8	Int.	82-75	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	82-75	VK-115	1 groove; Square cut key groove
	32	Keeper	82-75	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	82-75	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	82-75	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	82-75	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	82-75	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	82-75	259-303ARS	.060"; ID .703"; Carton of 500
	8	Rotocap	82-75	RC-140	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	80-75	W449P30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.576" CD, .9804" Pin Dia., Recessed Head .183" deep x 2.240" dia. - 8.0:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	82-75	E-236K Std-30	2-5/64, 1-3/16
	1	Standard Set	82-75	E-236X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	82-75	WE-236K Std-30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	82-75	WE-236X Std-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-75	4281M Std-1-10-20-30-40	3.824" max. flange OD
	1	Rod Set	82-75	8-3045A Std-10-20-30-40	A-Series aluminum bearings

(continued on next page)

4.3L 260 OHV V8 (Oldsmobile), 3.5" Bore 1982-75 **54**

VIN Codes "F" 1975-81, "8" 1982 (cont.)

BLOCK	ENGINE BEARINGS (cont.)					
	QTY		YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	82-75	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	82-75	8-3045APA Std-1	Overplated alum. alloy	
	1	Rod Set	82-75	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy	
	8	Rod Pair	82-75	3045A Std-1-10-20-30-40	A-Series aluminum bearings	
	8	Rod Pair	82-75	3045APA Std Only	Overplated alum. alloy	
	1	Cam Set	82-78	1466M Std Only	Full round design	
	1	Cam Set	82-78	1787M Std Only	O.E. split type design	
	1	Cam Set	77-75	1234M Std Only	Babbitt material; Full round design	
1	Cam Set	77-75	1789M Std Only	O.E. split type design		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	82-75	224-41203	High Volume, check pan for clearance; Use w/224-11203V screen	
	1	Oil Pump	82-75	224-41203V		
	1	Inter. Shaft	82-75	224-61203	Bolt-on 3/4" tube; Use w/224-41203V pump	
	1	Screen Assy.	82-75	224-11203V		
	1	Screen Assy.	82-75	224-11203	5/8" inlet tube	
	1	Tool	82-75	MT-J21882	Pump screen installation tool for 5/8" tube	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	82-77	260-1103	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	76-75	260-4001			
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	82-75	381-8037	Master w/o Pistons	
	1	Steel Block Plug Kit	82-75	381-4020		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			205-694	205-194
KITS	82-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring			
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			MK-694B	MK-194B
KITS	82-78	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; w/3.824" max. brg. flange OD	Master w/o Pistons			

4.3L 260 OHV Diesel V8 (Oldsmobile), 3.5" Bore 1979 **55**

VIN Code "P" 1979

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79	KT3-180S	Cam & crank gears not sold separately; Incl. (1) 222-180, (1) 223-498, (1) 223-503
	1	Timing Chain	79	222-180	48 Links
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	79	2564V20	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79	4294M	Std-1-10-20-30
	1	Rod Set	79	8-3045A	Std-10-20-30-40
	1	Rod Set	79	8-3045A10X2	10X2-20X2-30X2
	1	Rod Set	79	8-3045APA	Std-1
	1	Rod Set	79	8-3045APA10X2	10X2-20X2-30X2
	8	Rod Pair	79	3045A	Std-1-10-20-30-40
	8	Rod Pair	79	3045APA	Std Only
	1	Cam Set	79	1466M	Std Only
	1	Cam Set	79	1787M	Std Only
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	79	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
1	Inter. Shaft	79	224-61203		
1	Screen Assy.	79	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	79	381-8037		

4.3L 261 OHV L6 (Chevrolet), 3.75" Bore 1962-55 **56**

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	62-56	960M Std-10-20-30-40-50-60	Use w/FSM-124S shim set
1	Main Set	55	853M Std-10-20-30-40	Use w/FSM-124S shim set

(continued on next page)

GM Car

56 4.3L 261 OHV L6 (Chevrolet), 3.75" Bore 1962-55

(cont.)

QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
1	Shim Set	62-55	FSM-124S	
1	Rod Set	62-55	6-1950CP Std-10-20-30-40-50	6-1950CA 60 avail. as unplated & resizeable
1	Rod Set	62-55	6-1950CA60 60	Unplated & resizeable
6	Rod Pair	62-55	1950CP Std-10-20-30-40-50	
1	Cam Set	62-55	1170M Std Only	w/Large dia. brgs.

57 4.3L 262 OHV V8 (Chevrolet), 3.671" Bore 1976-75

VIN Code "G" 1975-76

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	76-75	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Set w/Gaskets	76-75	CTS-1000	w/.405" tooth width sprocket
1	Timing Chain	76-75	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	76-75	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	76-75	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	76-75	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	76-75	CS-711	
16	Lifter	76-75	HT-817 Std Only	Hyd.
16	Lifter, Bulk	76-75	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	76-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	76-75	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-75	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	76-75	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	76-75	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	76-75	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	76-75	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	76-75	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	76-75	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	76-75	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	76-75	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	76-75	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	76-75	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm	76-75	R-826A	
16	Pivot Ball	76-75	MR-1783	
16	Nut	76-75	MR-1751	Self-locking, 3/8" x 24 threads
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	76-75	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	76-75	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Intake	76-75	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	76-75	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	76-75	VS-727	Exh.; Incl. damper; 1.9100" Free Height
8	Spring	76-75	VS-677	Int.; Incl. damper; 2.0300" Free Height
8	Spring, Bulk	76-75	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
8	Spring, Bulk	76-75	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	76-75	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	76-75	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	76-75	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	76-75	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	76-75	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
8	Exh.	76-75	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
8	Int.	76-75	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	76-75	VK-115	1 groove; Square cut key groove

(continued on next page)

4.3L 262 OHV V8 (Chevrolet), 3.671" Bore 1976-75 57

VIN Code "G" 1975-76 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
32	Keeper	76-75	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	76-75	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	76-75	259-203C	.015"; Carton of 100
16	Spring Insert	76-75	259-203B	.030"; Carton of 100
16	Spring Insert	76-75	259-203BRS	.030"; Carton of 500
16	Spring Insert	76-75	259-203A	.060"; Carton of 100
16	Spring Insert	76-75	259-203ARS	.060"; Carton of 500
8	Rotocap	76-75	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Pin	76-75	P-2208 Std-3-5-0015	Pin bushing not req'd.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	76-75	4663M Std-1-2-10-20-30-40-60	
1	Main Set	76-75	6688M10 10-20-30	.020" O/S length flange brg.
1	Main Set	76-75	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Main Set	76-75	7329MA10 10-20-30	A-Series aluminum bearings ; .010" O/S length flange brg.
1	Rod Set	76-75	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set	76-75	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set	76-75	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
1	Rod Set	76-75	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
1	Rod Set	76-75	8-2555CA60 60	Unplated & resizeable
8	Rod Pair	76-75	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
8	Rod Pair	76-75	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
8	Rod Pair	76-75	2555CA60 60	Unplated & resizeable
1	Cam Set	76-75	1235M Std-1-10	Babbitt material; Full round design
1	Cam Set	76-75	1749M Std Only	Bi-Metal Aluminum
1	Cam Set	76-75	1750M Std Only	2.030" housing bore
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	76-75	224-4146A	High Pressure; 5/8" inlet
1	Oil Pump	76-75	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
1	Oil Pump	76-75	224-4146	5/8" inlet
1	Inter. Shaft	76-75	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	76-75	224-6146	Use w/nylon shaft guide
1	Oil Pump Shaft Guide	76-75	224-43343	Nylon
1	Screen Assy.	76-75	224-1246	5/8" inlet tube
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	76-75	260-1023	
2	Head Bolt Set	76-75	260-2500	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	76-75	381-8007	
1	Steel Block Plug Kit	76-75	381-4011	

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 58

VIN Code "Z" 1985-93

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-87	KT3-499SA6	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-505, (1) 223-732T
1	3 Piece Set	90-87	KT3-499SA3	Incl. hardened cam sprocket; Incl. (1) 222-499, (1) 223-391, (1) 223-732T
1	3 Piece Set	86-85	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	86-85	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
1	Timing Chain	90-85	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	90-85	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Crank Sprocket	90-85	223-505	Steel; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	90-87	223-732T	Hardened; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	86-85	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	86-85	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-87	CS-783	w/o Balance shaft
1	Camshaft	86-85	CS-756	
12	Lifter	90-87	HT-2148 Std Only	Hyd. rlr.

(continued on next page)

GM Car

58 4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85
(cont.) VIN Code "Z" 1985-93

VALVE TRAIN

VALVE TRAIN

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
12	Lifter	86-85	HT-817 Std Only	Hyd.
12	Lifter, Bulk	90-87	HT-2148B Std Only	Hyd. rlr.; Carton of 128
12	Lifter, Bulk	86-85	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	90-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-87	KC-783	w/o Balance shaft; Hyd. rlr.; Incl. (1) CS-783, (12) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	86-85	KC-756	Hyd.; Incl. (1) CS-756, (12) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-87	KCT-783A	w/o Balance shaft; Incl. hardened cam sprocket; Hyd. rlr.; Incl. (1) CS-783, (12) HT-2148, (1) KT3-499SA3, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-85	KCT-756	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-756, (12) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	90-87	RP-3262	7.1920" O.A.L.
12	Push Rod	86-85	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
12	Push Rod	86-85	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
12	Push Rod	86-85	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
12	Push Rod	86-85	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
12	Push Rod	86-85	RP-3093	7.7940" O.A.L.
12	Push Rod, Bulk	90-87	BRP-3262	Carton of 100; 7.1920" O.A.L.
12	Push Rod, Bulk	86-85	BRP-3093	Carton of 100; 7.7940" O.A.L.
12	Push Rod, Bulk	86-85	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
12	Push Rod, Bulk	86-85	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	90-87	R-973	Adj.; w/standard threads; Incl. arm, ball & nut
12	Arm Assy.	86-85	R-826	Incl. arm, ball & nut
12	Arm Assy., Bulk	90-87	R-973B	Adj.; w/standard threads; Incl. arm, ball & nut; Carton of 64
12	Arm Assy., Bulk	86-85	R-826B	Incl. arm, ball & nut; Carton of 64
12	Arm	90-87	R-973A	Adj.; w/standard threads
12	Arm	86-85	R-826A	
12	Pivot Ball	90-85	MR-1783	Adj.; w/standard threads
12	Pivot Ball	90-85	MR-1822	H/D 4 groove ball
12	Pivot Ball	90-85	MR-1946	Non-Adj.; w/metric threads
12	Nut	90-85	MR-1947	w/Metric threads; 10 x 1.25 threads
12	Nut	90-85	MR-1751	Adj.; w/std. threads; Self-locking, 3/8" x 24 threads
12	Stud	90-85	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	90-85	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Intake	90-85	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
6	Intake, Bulk	90-85	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	90-85	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
6	Guide	90-85	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
6	Guide	90-85	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
6	Guide	90-85	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	90-85	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
6	Guide, Bulk	90-85	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
6	Guide, Bulk	90-85	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-85	VS-677	Incl. damper; 2.0300" Free Height
12	Spring, Bulk	90-85	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	90-85	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal	90-85	MV-1921	Umbrella type; Nylon
12	Valve Stem Seal Bulk	90-85	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	90-85	MV-1921B	Umbrella type; Carton of 100; Nylon
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	90-85	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
6	Exh.	90-85	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
6	Int.	90-85	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	90-85	VK-115	1 groove; Square cut key groove
24	Keeper	90-85	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	90-85	VK-115B	1 groove; Square cut key groove; Carton of 1000

(continued on next page)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 58
VIN Code "Z" 1985-93 (cont.)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85					58
VIN Code "Z" 1985-93					(cont.)
QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
6	Rotocap	90-85	RC-157S		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	90-85	H824CP20 20-30-40-60	Optional low comp.; Use w/E-229K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs; DurOshield® skirt coated piston	
6	Cast Piston	90-85	H645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/E-229K or E-229X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.	
6	Cast Piston	90-85	645P Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs	
6	Cast Piston	90-85	640P Std-20-30-40-60-80	Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.	
6	Cast Piston - Individual	90-85	W640P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.	
6	Cast Piston - Individual	90-85	WH824CP30 * 30-60	Optional low comp.; Use w/WE-229K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs; DurOshield® skirt coated piston	
6	Cast Piston - Individual	90-85	WH645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/WE-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.	
6	Cast Piston - Individual	90-85	W645P Std-30-40-60	Perf. or reg. duty operation; Use w/WE-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs	
1	Cast Piston Set w/Prem. Rings	90-85	6K640P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.	
1	Cast Piston Set w/Econ. Rings	90-85	6X640P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-85	E-459K Std-20-30-40-60	.190" deep oil ring groove; Use w/H728P piston; 2-5/64, 1-3/16	
1	Premium Set	90-85	E-229K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	90-85	E-459X Std-20-30-40-60	.190" deep oil ring groove; Use w/H728P piston; 2-5/64, 1-3/16	
6	Premium Single Cylinder Set	90-85	WE-459K Std-20-30-40-60	.190" deep oil ring groove; 2-5/64, 1-3/16	
6	Premium Single Cylinder Set	90-85	WE-229K Std-20-30-40-60	2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-85	6687M10 10-20-30	.020" O/S length flange brg.	
1	Main Set	90-85	5085M Std-1-10-20-30-40	w/std. length flange brg.	
1	Main Set	90-85	5085MA Std-1-10-20-30-40	A-Series aluminum bearings	
1	Main Set	90-85	7380MA10X20 10X20	A-Series aluminum bearings; Use in .020" O/S Bore	
1	Rod Set	90-85	6-1020CP Std-.026-.25-.50-.75-1.00MM		
1	Rod Set	90-85	6-1020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
1	Rod Set	90-85	6-1020A25X2 25X2-50X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
6	Rod Pair	90-85	1020CP Std-.026-.25-.50-.75-1.00MM		
6	Rod Pair	90-85	1020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
1	Cam Set	90-85	1463M Std-1	Exc. Engs. w/"T" before the I.D. No. located on front of block; Babbitt material; Full round design	
1	Cam Set	90-85	1791M Std Only	Exc. Engs. w/"T" before the I.D. No. located on front of block; O.E. split type design	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	90	224-43469V	High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide	
1	Oil Pump	90	224-43469	3/4" inlet; w/nylon shaft guide	
1	Oil Pump	90-85	224-4146A	High Pressure; 5/8" inlet	
1	Oil Pump	90-85	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
1	Oil Pump	90-85	224-4146	5/8" inlet	
1	Inter. Shaft	90	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
1	Inter. Shaft	90-85	224-6146	Use w/nylon shaft guide	

(continued on next page)

GM Car

58 4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85

(cont.) VIN Code "Z" 1985-93

B L O C K	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump Shaft Guide	90-85	224-43343	Nylon		
	1	Screen Assy.	90-85	224-1246	5/8" inlet tube		
	1	Tool	90-85	MT-J21882	Pump screen installation tool for 5/8" tube		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90-87	260-1241	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	86	260-1240	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	85	260-1239	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	90-86	381-8058			
K I T S	1	Brass Block Plug Kit	85	381-8049			
	1	Steel Block Plug Kit	85	381-9676			
	RE-RING KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION				KIT NO.	KIT NO.
	90-87	w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains		205-6021 205-6021M	205-1021 205-1021M
	86	w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains		205-6020 205-6020M	205-1020 205-1020M
	85	w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains		205-6019 205-6019M	205-1019 205-1019M
	OVERHAUL KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION				KIT NO.	KIT NO.
	90-87	w/.190" deep oil ring groove; Exc. Eng. w/"T" before the I.D. No. located on front of block; w/o Balance shaft; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump		Master Master w/o Pistons		MKP-6021A MK-6021A	MKP-1021A MK-1021A
K I T S	90-87	w/.190" deep oil ring groove; Exc. Eng. w/"T" before the I.D. No. located on front of block; w/o Balance shaft; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump		Master w/o Rods & Mains		505-6021A	505-1021A
	90-87	Exc. Eng. w/"T" before the I.D. No. located on front of block; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump		Block w/Pump & Freeze Plugs		BKP-6067	----
	90-87	Exc. Eng. w/"T" before the I.D. No. located on front of block; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings		Block		BK-6067	----
	90-87	Exc. Eng. w/"T" before the I.D. No. located on front of block; w/o Balance shaft; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Oil pump not incl.		Master		MKP-6380	----
	86	w/.190" deep oil ring groove; Exc. Eng. w/"T" before the I.D. No. located on front of block; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master Master w/o Pistons		MKP-6020A MK-6020A	MKP-1020A MK-1020A
	86	w/.190" deep oil ring groove; Exc. Eng. w/"T" before the I.D. No. located on front of block; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains		505-6020A	505-1020A
	86	Exc. Eng. w/"T" before the I.D. No. located on front of block; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 645P piston		Block w/Pump & Freeze Plugs		BKP-6050	----

(continued on next page)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 58				
VIN Code "Z" 1985-93 (cont.)				
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.
	YEARS	DESCRIPTION		ECONOMY KIT NO.
	86	Exc. Engs. w/"T" before the I.D. No. located on front of block; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 645P piston	Block	BK-6050
	85	w/.190" deep oil ring groove; Exc. Engs. w/"T" before the I.D. No. located on front of block; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-6019A MK-6019A
	85	w/.190" deep oil ring groove; Exc. Engs. w/"T" before the I.D. No. located on front of block; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6019A 505-1019A
4.3L 262 OHV Diesel V6 (Oldsmobile), 4.057" Bore 1985-82 59				
VIN Codes "T" 1982-85, "V" 1982-85, "7" 1985				
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	12	Lifter	85-82	HT-2104 Std Only
	12	Lifter, Bulk	85-82	HT-2104B Std Only
	QTY	ROCKER PARTS	YEARS	PART NO.
	6	Arm Assy.	85-82	R-882
	6	Arm Assy., Bulk	85-82	R-882B
	12	Arm	85-82	R-882A
	12	Arm, Bulk	85-82	R-882AB
	6	Pivot	85-82	MR-1903
	QTY	VALVE SEAL	YEARS	PART NO.
	6	Valve Stem Seal	85-82	MV-1819C
	6	Valve Stem Seal Bulk	85-82	MV-1819
	QTY	VALVE, MISC	YEARS	PART NO.
	24	Keeper	85-82	VK-115
	24	Keeper	85-82	VK-115R
	24	Keeper, Bulk	85-82	VK-115B
	12	Spring Insert	85-82	259-303C
	12	Spring Insert	85-82	259-303B
	12	Spring Insert	85-82	259-303A
	12	Spring Insert	85-82	259-303ARS
	6	Rotocap	85-82	RC-140
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Cam Set	85-82	1489M Std Only
	QTY	FREEZE PLUGS	YEARS	PART NO.
	1	Brass Block Plug Kit	85-82	381-8049
	1	Steel Block Plug Kit	85-82	381-9676
4.3L 263 OHV L8 (Buick), 3.1875" Bore 1953-50 60				
	QTY	VALVE, MISC	YEARS	PART NO.
	32	Keeper	53-50	VK-97
	QTY	RINGS	YEARS	PART NO.
	1	Premium Set	53-50	E-247KC30 30-40-60
	1	Standard Set	53-50	E-247X Std-30-40-60-80
	8	Standard Single Cylinder Set	53-50	WE-247X Std-30-40
4.3L 264 OHV V8 (Buick), 3.625" Bore 1955-54 61				
	QTY	VALVE GUIDE	YEARS	PART NO.
	8	Guide	55-54	VG-628
	QTY	VALVE SPRING	YEARS	PART NO.
	16	Spring	55-54	VS-527
	16	Spring	55-54	VS-612
	QTY	VALVE SEAL	YEARS	PART NO.
	16	Valve Stem Seal	55-54	ST-2014
	16	Valve Stem Seal Bulk	55-54	ST-2014BC

(continued on next page)

GM Car

61 4.3L 264 OHV V8 (Buick), 3.625" Bore 1955-54

(cont.)

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	55-54	VK-97	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	55-54	E-239K Std-30-60	2-5/64, 1-3/16
1	Standard Set	55-54	E-239X Std-30-40	2-5/64, 1-3/16
8	Standard Single Cylinder Set	55-54	WE-239X Std-30	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	55-54	SL-17M Std Only	3/32" wall, must be cut to correct length & notched

62 4.3L 265 OHV V8 (Pontiac), 3.75" Bore 1981-80

VIN Code "S" 1980-81

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	81-80	222-365	60 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	80	CS-690	
16	Lifter	81-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove
16	Lifter, Bulk	81-80	HT-969B Std Only	Hyd.; Carton of 128
1	Prelube	81-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	80	KC-690A	Hyd.; Incl. (1) CS-690, (16) HT-969, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	81-80	RP-3206	8.0450" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	81-80	R-1032	Incl. arm, ball & nut
16	Arm Assy., Bulk	81-80	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm	81-80	R-849A	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	81-80	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	81-80	MV-1233C	O-Ring; Rubber
8	Valve Stem Seal	81-80	MV-1888C	Int.; Positive type; Viton®
16	Valve Stem Seal Bulk	81-80	MV-1233	O-Ring; Carton of 100; Rubber
8	Valve Stem Seal Bulk	81-80	MV-1888	Int.; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	81-80	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth
8	Exh.	81-80	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
8	Int.	81-80	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	81-80	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	81-80	VK-115	1 groove; Square cut key groove
32	Keeper	81-80	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	81-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	81-80	259-201B	.030"; Carton of 100
16	Spring Insert	81-80	259-201A	.060"; Carton of 100
16	Spring Insert	81-80	259-201ARS	.060"; Carton of 500
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	81-80	5092M Std-10-20	
1	Rod Set	81-80	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings
8	Rod Pair	81-80	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set	81-80	1220M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	81-80	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
1	Inter. Shaft	81-80	224-61236	
1	Screen Assy.	81-80	224-11236	3/4" inlet tube
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	81-80	260-1122	Premium valve stem seals incl.

63 4.3L 265 OHV V8 (Chevrolet), 3.75" Bore 1957-55

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	57-55	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262
1	Timing Chain	57-55	222-489	46 Links
1	Crank Sprocket	57-55	223-262	18 Teeth
1	Cam Sprocket	57-55	223-261	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	57-55	CS-273	Use w/Hyd. lifters

(continued on next page)

4.3L 265 OHV V8 (Chevrolet), 3.75" Bore 1957-55 **63**
(cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
16	Lifter	57-55	HT-817	Std Only	Hyd.
16	Lifter, Bulk	57-55	HT-817B	Std Only	Hyd.; Carton of 128
1	Prelube	57-55	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	57-55	KC-273		Hyd.; Incl. (1) CS-273, (16) HT-817, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	57-55	RP-3212R		Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	57-55	RP-3212R100		Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	57-55	RP-3212R150		Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	57-55	RP-3212R200		Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	57-55	RP-3093		7.7940" O.A.L.
16	Push Rod, Bulk	57-55	BRP-3093		Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	57-55	BRP-3212R		Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	57-55	BRP-3212R100		Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS				DESCRIPTION
		YEARS	PART NO.		
16	Arm Assy.	57-55	R-826		Incl. arm, ball & nut
16	Arm Assy., Bulk	57-55	R-826B		Incl. arm, ball & nut; Carton of 64
16	Arm	57-55	R-826A		
16	Stud	57-55	MR-1752		.003" O/S, 3/8" x 24 x 2.495"
16	Stud	57-55	MR-1949		3/8" x 24 x 2.495"
QTY	VALVE				DESCRIPTION
		YEARS	PART NO.		
8	Exhaust	57-55	V-1888X	Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	57-55	V-1199	Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	57-55	V-1199B	Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake	57-55	V-1200	Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	57-55	V-1200B	Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING				DESCRIPTION
		YEARS	PART NO.		
16	Spring	57-55	VS-521		Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL				DESCRIPTION
		YEARS	PART NO.		
16	Valve Stem Seal	57-55	MV-1903		Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	57-55	ST-2001		Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	57-55	MV-1233C		O-Ring; Rubber
16	Valve Stem Seal Bulk	57-55	MV-1233		O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	57-55	ST-2001BC		Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT				DESCRIPTION
		YEARS	PART NO.		
8	Exh.	57-55	245-1562-2N	Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
8	Exh.	57-55	245-1562-2	Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
8	Int.	57-55	245-1812-3	Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC				DESCRIPTION
		YEARS	PART NO.		
32	Keeper	57-55	VK-115		1 groove; Square cut key groove
32	Keeper	57-55	VK-115R		1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	57-55	VK-115B		1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	57-55	259-201B		.030"; Carton of 100
16	Spring Insert	57-55	259-201A		.060"; Carton of 100
16	Spring Insert	57-55	259-201ARS		.060"; Carton of 500
8	Rotocap	57-55	RC-157S		
QTY	PISTON				DESCRIPTION
		YEARS	PART NO.		
8	Cast Piston	57-55	233P	Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.4:1 C.R.
8	Cast Piston - Individual	57-55	W233P	Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.4:1 C.R.
8	Pin	57-55	P-2208	Std-3-5-0015	
QTY	RINGS				DESCRIPTION
		YEARS	PART NO.		
1	Premium Set	57-55	E-240K	Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	57-55	E-240X	Std-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	57-55	WE-240K	Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	57-55	WE-240X	Std-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS				DESCRIPTION
		YEARS	PART NO.		
1	Main Set	57-55	994M	Std-1-10-20-30-40	
1	Rod Set	57-55	8-2020CP	Std-1-10-20-30-40	
8	Rod Pair	57-55	2020CP	Std-1-2-10-20-30-40-50	

(continued on next page)

GM Car

63 4.3L 265 OHV V8 (Chevrolet), 3.75" Bore 1957-55 (cont.)

B L O C K	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Cam Set	57-55	1145M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	57-55	224-43363		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	57	260-1000	Rear main brg. seal not incl.	
	2	Head Bolt Set	57-55	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	57-55	381-8007		
	1	Steel Block Plug Kit	57-55	381-4011		

64 4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79 VIN Code "J" 1979-82

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	82-79	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Set w/Gaskets	82-79	CTS-1000	w/.405" tooth width sprocket
	1	Timing Chain	82-79	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	82-79	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	82-79	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	82-79	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-80	CS-711	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
	1	Camshaft	79	CS-673	
	1	Performance Cam	80-79	CS-1103R	
	1	Performance Cam	80-79	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-79	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
	16	Lifter	82-79	HT-817 Std Only	Hyd.
	16	Lifter, Bulk	82-79	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	82-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-80	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	79	KC-673	Hyd.; Incl. (1) CS-673, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-80	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79	KCT-673	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-673, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	82-79	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
16	Push Rod	82-79	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
16	Push Rod	82-79	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
16	Push Rod	82-79	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
16	Push Rod	82-79	RP-3093	7.7940" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3093	Carton of 100; 7.7940" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
16	Arm Assy.	82-79	R-826	Incl. arm, ball & nut	
16	Arm Assy., Bulk	82-79	R-826B	Incl. arm, ball & nut; Carton of 64	

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	82-79	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Set w/Gaskets	82-79	CTS-1000	w/.405" tooth width sprocket
	1	Timing Chain	82-79	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	82-79	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	82-79	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	82-79	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-80	CS-711	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
	1	Camshaft	79	CS-673	
	1	Performance Cam	80-79	CS-1103R	
	1	Performance Cam	80-79	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-79	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
	16	Lifter	82-79	HT-817 Std Only	Hyd.
	16	Lifter, Bulk	82-79	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	82-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-80	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	79	KC-673	Hyd.; Incl. (1) CS-673, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-80	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79	KCT-673	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-673, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	82-79	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
16	Push Rod	82-79	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
16	Push Rod	82-79	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
16	Push Rod	82-79	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
16	Push Rod	82-79	RP-3093	7.7940" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3093	Carton of 100; 7.7940" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
16	Push Rod, Bulk	82-79	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
16	Arm Assy.	82-79	R-826	Incl. arm, ball & nut	
16	Arm Assy., Bulk	82-79	R-826B	Incl. arm, ball & nut; Carton of 64	

(continued on next page)

4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79 **64**

VIN Code "J" 1979-82 (cont.)

VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Arm	82-79	R-826A	
	16	Nut	82-79	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	82-79	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	82-79	MR-1949	3/8" x 24 x 2.495"
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Intake	82-79	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	82-79	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	82-79	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
VALVE TRAIN	8	Guide	82-79	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide	82-79	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide	82-79	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk	82-79	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk	82-79	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
VALVE TRAIN	8	Guide, Bulk	82-79	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	82-79	VS-677	Incl. damper; 2.0300" Free Height
	16	Spring, Bulk	82-79	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Valve Stem Seal	82-79	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal	82-79	MV-1921	Umbrella type; Nylon
	16	Valve Stem Seal Bulk	82-79	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	82-79	MV-1921B	Umbrella type; Carton of 100; Nylon
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exh.	82-79	245-1437-2N Std Only	Premium Material; 1.4425" OD, 1.2190" ID, .2160" Depth
	8	Exh.	82-79	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
	8	Int.	82-79	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	32	Keeper	82-79	VK-115	1 groove; Square cut key groove
	32	Keeper	82-79	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	82-79	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	82-79	259-203C	.015"; Carton of 100
	16	Spring Insert	82-79	259-203B	.030"; Carton of 100
VALVE TRAIN	16	Spring Insert	82-79	259-203BRS	.030"; Carton of 500
	16	Spring Insert	82-79	259-203A	.060"; Carton of 100
	16	Spring Insert	82-79	259-203ARS	.060"; Carton of 500
	8	Rotocap	82-79	RC-157S	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	82-79	E-236K Std-30	2-5/64, 1-3/16
	1	Standard Set	82-79	E-236X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	82-79	WE-236K Std-30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	82-79	WE-236X Std-30-40	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-79	4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
	1	Main Set	82-79	6688M10 10-20-30	A-Series aluminum bearings
	1	Main Set	82-79	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set	82-79	7329MA10 10-20-30	A-Series aluminum bearings
BLOCK	1	Rod Set	82-79	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	82-79	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	82-79	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set	82-79	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
	1	Rod Set	82-79	8-2555CA60 60	Unplated & resizeable
BLOCK	8	Rod Pair	82-79	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair	82-79	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair	82-79	2555CA60 60	Unplated & resizeable
	1	Cam Set	82-79	1235M Std-1-10	Babbitt material; Full round design
	1	Cam Set	82-79	1749M Std Only	Bi-Metal Aluminum
BLOCK	1	Cam Set	82-79	1750M Std Only	2.030" housing bore

(continued on next page)

GM Car

64 4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79

(cont.) VIN Code "J" 1979-82

BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	82-79	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	82-79	224-4146	5/8" inlet	
	1	Inter. Shaft	82-79	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	82-79	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	82-79	224-43343	Nylon	
	1	Screen Assy.	82-79	224-1246	5/8" inlet tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	2	Head Bolt Set	82-79	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	82-79	381-8007		
	1	Steel Block Plug Kit	82-79	381-4011		

65 4.5L 273 (4474cc) OHV V8 (Cadillac), 92mm Bore 1990-88

VIN Codes "3" 1990, "5" 1988-90, "8" 1989-92

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	90-89	KT3-503SA	VIN Code "8"; Incl. (1) 222-503, (1) 223-533, (1) 223-706	
	1	3 Piece Set	90-88	KT3-503S	VIN Code "5"; Incl. (1) 222-503, (1) 223-533, (1) 223-546	
	1	Timing Chain	90-88	222-503	44 Links	
	1	Crank Sprocket	90-88	223-533	17 Teeth	
	1	Cam Sprocket	90-89	223-706	VIN Code "8"; 34 Teeth	
	1	Cam Sprocket	90-88	223-546	VIN Code "5"; 34 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-88	CS-1540		
	16	Lifter	90-88	HT-2148 Std Only	Hyd. rlr.	
VALVE TRAIN	16	Lifter, Bulk	90-88	HT-2148B Std Only	Hyd. rlr.; Carton of 128	VALVE TRAIN
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-88	KC-1540	Hyd. rlr.; Incl. (1) CS-1540, (16) HT-2148, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-89	KCT-1540	VIN Code "8"; Hyd. rlr.; Incl. (1) CS-1540, (16) HT-2148, (1) KT3-503SA, (1) 55-403B	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm	90-88	R-913		
	16	Arm, Bulk	90-88	R-913B	Carton of 64	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90	V-2522 Std Only	Chrome plated stem; 1.4960" Head Dia., .3405" Stem Dia., 4.7130" O.A.L.	
BLOCK	8	Exhaust	89-88	V-2528 Std Only	Chrome plated stem; w/round cut groove; 1.2990" Head Dia., .3404" Stem Dia., 4.7290" O.A.L.	BLOCK
	8	Intake	90	V-2521 Std Only	Chrome plated stem; 1.7720" Head Dia., .3417" Stem Dia., 4.8000" O.A.L.	
	8	Intake	89-88	V-3948 Std Only	Chrome plated stem; w/round cut groove; 1.5350" Head Dia., .3416" Stem Dia., 4.8230" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	90-88	VG-5006	Exh. & Int.; .3440" ID, 2.3750" O.A.L.	
	16	Guide	90-88	VG-5006T	Exh. & Int.; Threaded; .3425" ID, 2.3800" O.A.L.	
	16	Guide, Bulk	90-88	VG-5006B	Exh. & Int.; Carton of 50; .3440" ID, 2.3750" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90	VS-1531	Exh.; Exc. Export & Fed. Emis.; 2.1800" Free Height	
	16	Spring	90	VS-1551	Exh. & Int.; Export & Fed. Emis.; 2.1930" Free Height	
BLOCK	8	Spring	90	VS-1532	Int.; Exc. Export & Fed. Emis.; 2.2650" Free Height	BLOCK
	8	Spring	89-88	VS-1531	Exh.; Exc. Export & Fed. Emis.; 2.1800" Free Height	
	16	Spring	89-88	VS-1552	Exh. & Int.; Export & Fed. Emis.; 1.9490" Free Height	
	8	Spring	89-88	VS-1532	Int.; Exc. Export & Fed. Emis.; 2.2650" Free Height	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	
	8	Exh.	89-88	245-1375-1 Std Only	1.3795" OD, 1.1250" ID, .2160" Depth	
	8	Int.	89-88	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	90	573P Std-.25MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.240" CD, .8661" Pin Dia., Recessed Head .020" deep x 2.940" dia.	
BLOCK	8	Cast Piston	89	572P Std-.50MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.627" CD, .8661" Pin Dia., Recessed Head .160" deep x 2.940" dia.	BLOCK
	8	Cast Piston	88	572P Std-.50MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.627" CD, .8661" Pin Dia., Recessed Head .160" deep x 2.940" dia.	

(continued on next page)

4.5L 273 (4474cc) OHV V8 (Cadillac), 92mm Bore 1990-88 65

VIN Codes "3" 1990, "5" 1988-90, "8" 1989-92 (cont.)

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston - Individual	90	W573P Std-.25MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.240" CD, .8661" Pin Dia., Recessed Head .020" deep x 2.940" dia.	
	8	Cast Piston - Individual	89	W572P Std-.50MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.627" CD, .8661" Pin Dia., Recessed Head .160" deep x 2.940" dia.	
	8	Cast Piston - Individual	88	W572P Std-.50MM	Exc. Allante; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.627" CD, .8661" Pin Dia., Recessed Head .160" deep x 2.940" dia.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-88	E-534K Std-.25MM	2-1.50MM, 1-3.00MM	
	1	Standard Set	90-88	E-534X Std Only	2-1.50MM, 1-3.00MM	
	8	Premium Single Cylinder Set	90-88	WE-534K Std Only	2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	7256MA Std-.25-.50MM	A-Series aluminum bearings ; w/std. length flange brg.	
K I T S	1	Main Set	90-88	7222M.25MM .25MM	Use in .25MM O/S Housing Bore	K I T S
	1	Main Set	89-88	7046MA Std-.25-.50-.75MM	A-Series aluminum bearings ; w/std. length flange brg.	
	1	Rod Set	90-88	8-3870RA Std-.25-.50-.75MM	A-Series aluminum bearings	
	1	Rod Set	90-88	8-3870RA25X2 25X2-.75X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore	
	8	Rod Pair	90-88	3870RA Std-.026-.25-.50-.75MM	A-Series aluminum bearings	
	1	Cam Set	90-88	1757M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-43433S	VIN Codes "3" & "8"; If screen assy. touches baffles in oil pan - oil pan must be replaced w/O.E. No. 3532055; Incl. screen	
	1	Oil Pump	89	224-43433S	VIN Codes "5" & "8"; If screen assy. touches baffles in oil pan - oil pan must be replaced w/O.E. No. 3532055; Incl. screen	
	1	Oil Pump	88	224-43433S	VIN Code "5"; If screen assy. touches baffles in oil pan - oil pan must be replaced w/O.E. No. 3538466; Incl. screen	
B L O C K	1	Pump Repair Kit	90-88	224-5129	Exc. VIN Code "8"; Use w/oil pump housing having 9 tooth gears	B L O C K
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1475	VIN Codes "3" & "8"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-88	260-1474	VIN Code "5"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1475	VIN Code "8"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	RE-RING KIT	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90		VIN Codes "3" & "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6356M	205-1356M
	90		VIN Codes "3" & "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6356	205-1356
	90-88		VIN Code "5"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6146	----
	89		VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6147M	----
K I T S	89		VIN Code "8"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6356	205-1356
	89-88		VIN Code "5"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6146M	----

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GM Car

65 4.5L 273 (4474cc) OHV V8 (Cadillac), 92mm Bore 1990-88

(cont.) VIN Codes "3" 1990, "5" 1988-90, "8" 1989-92

KITS	OVERHAUL KIT		PREMIUM KIT NO. BK-6069	ECONOMY KIT NO. -----	KITS
	YEARS	DESCRIPTION			
	90	VIN Code "5"; Exc. Allante; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.			
	90	VIN Code "3"; Exc. Allante; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/std. length flange brg.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	BK-6071	----	

66 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	67	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
	1	3 Piece Set	66-57	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262	
	1	Timing Set w/Gaskets	66-57	CTS-1002	Incl. double rlr. type chain	
	1	Timing Chain	67	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Timing Chain	66-57	222-489	46 Links	
	1	Crank Sprocket	67	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
	1	Crank Sprocket	66-57	223-262	18 Teeth	
	1	Cam Sprocket	67	223-390	.405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	67	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	66-57	223-261	36 Teeth	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	67-63	CS-274		
	1	Camshaft	62	CS-273	w/2 Bbl. Carb.; Use w/Hyd. lifters	
	1	Camshaft	62	CS-274	w/4 Bbl. Carb.	
	1	Camshaft	61-60	CS-273	w/2 Bbl. Carb.; Exc. w/high lift cam; Use w/Hyd. lifters	
	1	Camshaft	61-60	CS-274	w/4 Bbl. Carb.; Exc. w/high lift cam	
	1	Camshaft	59-57	CS-274	Exc. w/high lift cam	
	1	Performance Cam	67-57	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	67-57	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	67-57	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	61-60	CS-113R	w/high lift cam; Pro-5000 Perf. Cam; Mech.; Duration at .050: 228 Int., 230 Exh.; Valve lift .3950" Int., .4010" Exh.; Lobe Separation 110 Degrees	
	1	Performance Cam	59-57	CS-113R	w/high lift cam; Pro-5000 Perf. Cam; Mech.; Duration at .050: 228 Int., 230 Exh.; Valve lift .3950" Int., .4010" Exh.; Lobe Separation 110 Degrees	
	16	Lifter	67-62	HT-817 Std Only	Hyd.	
	16	Lifter	61-57	AT-992 Std Only	w/high lift cam; Mech.	
	16	Lifter	61-57	HT-817 Std Only	Exc. w/high lift cam; Hyd.	
	16	Lifter, Bulk	67-62	HT-817B Std Only	Hyd.; Carton of 128	
	16	Lifter, Bulk	61-57	AT-992B Std Only	w/high lift cam; Mech.; Carton of 128	
	16	Lifter, Bulk	61-57	HT-817B Std Only	Exc. w/high lift cam; Hyd.; Carton of 128	
	1	Prelube	67-57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	67-63	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	67-62	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	67-62	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	67-62	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	62	KC-273	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-273, (16) HT-817, (1) 55-403B	

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4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57 **66**

(cont.)

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	62	KC-274	w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	61-60	KC-273	w/2 Bbl. Carb.; Exc. w/high lift cam; Hyd.; Incl. (1) CS-273, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	61-60	KC-274	w/4 Bbl. Carb.; Exc. w/high lift cam; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	61-57	KC-1103R	Exc. w/high lift cam; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	61-57	KC-1014R	Exc. w/high lift cam; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	61-57	KC-1106R	Exc. w/high lift cam; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	59-57	KC-274	Exc. w/high lift cam; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	67	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	66-63	KCT-274A	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter/Timing Kit	62	KCT-274A	w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	61-60	KCT-274A	w/4 Bbl. Carb.; Exc. w/high lift cam; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	59-57	KCT-274A	Exc. w/high lift cam; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	67-57	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	67-57	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	67-57	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	67-57	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	67-57	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	67-57	BRP-3093	Carton of 100; 7.7940" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	67-57	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	67-57	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	67-57	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	67-57	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	67-57	R-826A	
	16	Pivot Ball	67-57	MR-1783	
	16	Pivot Ball	67-57	MR-1822	H/D 4 groove ball
	16	Nut	67-57	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	67-57	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
VALVE TRAIN	16	Stud	67-57	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	67-57	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	67-57	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	67-57	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Intake	67-57	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	67-57	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	67	VS-677	Incl. damper; 2.0300" Free Height
	16	Spring	67	VS-739R	Optional-H/D; 2.0000" Free Height
VALVE TRAIN	8	Spring	66-57	VS-521	Incl. damper; 2.1090" Free Height
	8	Spring, Bulk	67	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	67	VS-739RB	Optional-H/D; Carton of 300; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	67-57	MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	67-57	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE

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GM Car

66 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57 (cont.)

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	63-61	ST-2018R	Positive type; Installation requires valve guide machining; Use w/double spring; PTFE
	8	Valve Stem Seal	59	MV-1711	Int.; Positive type; Carton of 100; Rubber
	16	Valve Stem Seal	67-60	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal	67-57	MV-1598C	Umbrella type; Rubber
	8	Valve Stem Seal	59	MV-1233C	Exh.; O-Ring; Rubber
	16	Valve Stem Seal	58-57	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	67-60	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	67-57	MV-1598	Umbrella type; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	67-57	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	63-61	ST-2018RBC	Positive type; Installation requires valve guide machining; Carton of 100; Use w/double spring; PTFE
	8	Valve Stem Seal Bulk	59	MV-1233	Exh.; O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	58-57	MV-1233	O-Ring; Carton of 100; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	67-57	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	67-57	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	8	Int.	67-57	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-57	VK-115	1 groove; Square cut key groove
	32	Keeper	67-57	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-57	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	67-57	259-203C	.015"; Carton of 100
	16	Spring Insert	67-57	259-203B	.030"; Carton of 100
	16	Spring Insert	67-57	259-203BRS	.030"; Carton of 500
	16	Spring Insert	67-57	259-203A	.060"; Carton of 100
	16	Spring Insert	67-57	259-203ARS	.060"; Carton of 500
	8	Rotocap	66-57	RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	67-57	235P + Std-20-30-40-60	Exc. MFI; Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 235NP
	8	Cast Piston	67-57	235NP Std-20-30-40-60	Exc. MFI; Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston - Individual	67-57	W235P + Std-20-30-40-60	Exc. MFI; Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W235NP
	8	Cast Piston - Individual	67-57	W235NP Std-20-30-40-60	Exc. MFI; Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	8	Powerforged	67-64	L-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	63-62	L-2163F30 30-40-60	Exc. w/high lift cam; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	61	L-2163F30 30-40-60	w/o FI; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	60-58	L-2163F30 30-40-60	Exc. w/high lift cam; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-64	WL-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	63-62	WL-2163F30 30-40-60	Exc. w/high lift cam; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	61	WL-2163F30 30-40-60	w/o FI; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	60-58	WL-2163F30 30-40-60	Exc. w/high lift cam; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	67-57	E-245K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	67-57	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	67-57	WE-245K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	67-57	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-57	994M Std-1-10-20-30-40	

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4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57 66
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BLOCK	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	67-57	8-2020CP	Std-1-10-20-30-40	
	8	Rod Pair	67-57	2020CP	Std-1-2-10-20-30-40-50	
	1	Cam Set	67-64	1235M	Std-1-10	
	1	Cam Set	67-64	1749M	Std Only	
	1	Cam Set	67-64	1750M	Std Only	
	1	Cam Set	63-57	1145M	Std Only	
	1	Cam Set	63-57	1145M	Std Only	
	1	Cam Set	63-57	1145M	Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	67-64	224-4149	Chevy II; w/shallow sump oil pan	
	1	Oil Pump	67-64	224-4143	Exc. Chevy II; High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	67-64	224-4146	Exc. Chevy II; 5/8" inlet	
	1	Oil Pump	63-58	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	63-58	224-4146	5/8" inlet	
	1	Oil Pump	57	224-43363		
	1	Inter. Shaft	67-64	224-6146E	Exc. Chevy II; Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	67-64	224-6146	Exc. Chevy II; Use w/nylon shaft guide	
	1	Inter. Shaft	63-58	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
BLOCK	1	Inter. Shaft	63-58	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	67-57	224-43343	Use w/224-6146; Nylon	
	1	Screen Assy.	67-65	224-1246	Exc. Chevy II; 5/8" inlet tube	
	1	Screen Assy.	64	224-1146	Exc. Chevy II; 5/8" inlet	
	1	Screen Assy.	63-58	224-1146	5/8" inlet	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	67-59	260-1000	Exc. MFI	
	1	Kit Gasket Set	67-59	260-1079	Premium Set; Performance head gskt. incl.; Performance manifold gskts. incl.; Complete set	
	1	Kit Gasket Set	58-57	260-1000	Exc. MFI; Rear main brg. seal not incl.	
	2	Head Bolt Set	67-57	260-2500		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	67-58	381-8007		
	1	Steel Block Plug Kit	67-58	381-4011		
KITS	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	67-59	Exc. MFI		Re-ring	205-619	205-119
				Re-ring w/Mains	205-619M	205-119M
	58-57	Exc. MFI; Rear main brg. seal not incl.		Re-ring	205-619	205-119
				Re-ring w/Mains	205-619M	205-119M
	OVERHAUL KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	67	Exc. Chevy II; Exc. MFI; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-619F	MKP-119F	
			Master w/o Pistons	MK-619F	MK-119F	
KITS			Master w/o Rods & Mains	505-619F	505-119F	
	67	Chevy II; Exc. MFI; w/shallow sump oil pan; w/.405" tooth width sprocket	Master	MKP-619G	MKP-119G	
			Master w/o Pistons	MK-619G	MK-119G	
			Master w/o Rods & Mains	505-619G	505-119G	
	66-64	Exc. Chevy II; Exc. MFI; Incl. 5/8" inlet oil pump	Master	MKP-619D	MKP-119D	
			Master w/o Pistons	MK-619D	MK-119D	
			Master w/o Rods & Mains	505-619D	505-119D	
	66-64	Chevy II; Exc. MFI; w/shallow sump oil pan	Master	MKP-619E	MKP-119E	
			Master w/o Pistons	MK-619E	MK-119E	
			Master w/o Rods & Mains	505-619E	505-119E	
KITS	63	Exc. MFI; Incl. 5/8" inlet oil pump	Master	MKP-619A	MKP-119A	
			Master w/o Pistons	MK-619A	MK-119A	
			Master w/o Rods & Mains	505-619A	505-119A	
	62	w/4 Bbl. Carb.; Incl. 5/8" inlet oil pump	Master	MKP-619A	MKP-119A	
			Master w/o Pistons	MK-619A	MK-119A	
			Master w/o Rods & Mains	505-619A	505-119A	
	62	w/2 Bbl. Carb.; Incl. 5/8" inlet oil pump	Master	MKP-619C	MKP-119C	
			Master w/o Pistons	MK-619C	MK-119C	
			Master w/o Rods & Mains	505-619C	505-119C	

(continued on next page)

GM Car

66 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57

(cont.)

K I T S	OVERHAUL KIT (cont.)			K I T S
	YEARS	DESCRIPTION		
	61-60	w/4 Bbl. Carb.; Exc. w/high lift cam; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains	
			PREMIUM KIT NO. MKP-619A MK-619A 505-619A	
			ECONOMY KIT NO. MKP-119A MK-119A 505-119A	
	61-60	w/2 Bbl. Carb.; Exc. w/high lift cam; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains	
			PREMIUM KIT NO. MKP-619C MK-619C 505-619C	
			ECONOMY KIT NO. MKP-119C MK-119C 505-119C	
	59	Exc. MFI; Exc. w/high lift cam; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains	
			PREMIUM KIT NO. MKP-619A MK-619A 505-619A	
			ECONOMY KIT NO. MKP-119A MK-119A 505-119A	
	58	Exc. MFI; Rear main brg. seal not incl.; Exc. w/high lift cam; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains	
			PREMIUM KIT NO. MKP-619A MK-619A 505-619A	
			ECONOMY KIT NO. MKP-119A MK-119A 505-119A	

67 4.7L 287.2 OHV V8 (Pontiac), 3.75" Bore 1955

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	55	CS-187		
	16	Lifter	55	HT-951 Std Only	Hyd.	
	16	Lifter, Bulk	55	HT-951B Std Only	Hyd.; Carton of 128	
	1	Prelube	55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	55	KC-187	Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	55	RP-3028	9.1360" O.A.L.	
	16	Push Rod, Bulk	55	BRP-3028	Carton of 100; 9.1360" O.A.L.	
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Guide	55	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.	
	8	Guide	55	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.	
	8	Guide	55	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.	
	8	Guide, Bulk	55	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.	
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Spring	55	VS-445	Inner; 1.8120" Free Height	
	16	Spring	55	VS-446	Outer; 1.9800" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	55	ST-2018R	Positive type; Installation requires valve guide machining; Use w/double spring; PTFE	
V A L V E T R A I N	16	Valve Stem Seal	55	MV-1233C	O-Ring; Rubber	V A L V E T R A I N
	16	Valve Stem Seal Bulk	55	MV-1233	O-Ring; Carton of 100; Rubber	
	16	Valve Stem Seal Bulk	55	ST-2018RBC	Positive type; Installation requires valve guide machining; Carton of 100; Use w/double spring; PTFE	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	55	VK-115	1 groove; Square cut key groove	
B L O C K	32	Keeper	55	VK-115R	1 groove; Square cut key groove; Hardened	B L O C K
	32	Keeper, Bulk	55	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	55	E-240K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	55	E-240X Std-30-40-60	2-5/64, 1-3/16	
B L O C K	8	Premium Single Cylinder Set	55	WE-240K Std-20-30-40-60	2-5/64, 1-3/16	B L O C K
	8	Standard Single Cylinder Set	55	WE-240X Std-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	55	SL-19M Std Only	3/32" wall, must be cut to correct length	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Inter. Shaft	55	224-61236		

68 4.9L 300 OHV V8 (Buick), 3.75" Bore 1967-64

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-64	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
1	Timing Chain	67-64	222-359	54 Links
1	Crank Sprocket	67-64	223-323	20 Teeth
1	Cam Sprocket	67-64	223-334	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	67-64	CS-364	
16	Lifter	67-64	HT-896 Std Only	Hyd.
16	Lifter, Bulk	67-64	HT-896B Std Only	Hyd.; Carton of 126
1	Prelube	67-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

4.9L 300 OHV V8 (Buick), 3.75" Bore 1967-64 68
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VALVE TRAIN	QTY 16	PUSH ROD Push Rod	YEARS 67-65	PART NO. RP-3173	DESCRIPTION 8.7230" O.A.L.
	QTY 16	ROCKER PARTS Arm	YEARS 67-64	PART NO. R-1051	DESCRIPTION
	QTY 8	VALVE Exhaust	YEARS 67-65	PART NO. V-1744 Std Only	DESCRIPTION 1.3750" Head Dia., .3401" Stem Dia., 4.5430" O.A.L.
	QTY 16 16	VALVE SPRING Spring Spring	YEARS 67-65 64	PART NO. VS-644 VS-521	DESCRIPTION 2.0300" Free Height Incl. damper; 2.1090" Free Height
	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 67-64	PART NO. ST-2001	DESCRIPTION Positive type; Installation requires valve guide machining; Rubber/PTFE
	QTY 16	VALVE SEAL Valve Stem Seal Bulk	YEARS 67-64	PART NO. ST-2001BC	DESCRIPTION Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY 8 8 8	VALVE SEAT Exh. Exh. Int.	YEARS 67-65 67-65 67-65	PART NO. 245-1437-3N Std Only 245-1437-3 Std Only 245-1875-6 Std Only	DESCRIPTION Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth 1.4425" OD, 1.1880" ID, .2160" Depth 1.8800" OD, 1.6250" ID, .2160" Depth
BLOCK	QTY 32	VALVE, MISC Keeper	YEARS 67-64	PART NO. VK-194	DESCRIPTION
	QTY 8	PISTON Cast Piston	YEARS 67	PART NO. 279P Std-20-30-40-60	DESCRIPTION Eng. Code "NL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston	66	279P Std-20-30-40-60	Eng. Code "ML"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston	65	279P Std-20-30-40-60	Eng. Code "LL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston	64	279P Std-20-30-40-60	Eng. Code "KL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	67	W279P Std-20-30-40-60	Eng. Code "NL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	66	W279P Std-20-30-40-60	Eng. Code "ML"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	65	W279P Std-20-30-40-60	Eng. Code "LL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	64	W279P Std-20-30-40-60	Eng. Code "KL"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
	QTY 1	RINGS Premium Set	YEARS 67-64	PART NO. E-240K Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Standard Set	67-64	E-240X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	67-64	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	67-64	WE-240X Std-30-40-60	2-5/64, 1-3/16
	QTY 1	SLEEVE Repair Sleeve	YEARS 67-64	PART NO. SL-19M Std Only	DESCRIPTION 3/32" wall, must be cut to correct length
	QTY 1 8	ENGINE BEARINGS Rod Set Rod Pair	YEARS 67-64 67-64	PART NO. 8-2500RAA Std-10-20-30-40 2500RAA Std-1-2-10-20-30-40	DESCRIPTION A-Series aluminum bearings A-Series aluminum bearings
	1	Cam Set	67-64	1421M Std Only	
	QTY 1 1 1 1	OIL PUMP Pump Repair Kit Pump Repair Kit Pump Repair Kit Pump Repair Kit	YEARS 67-64 67-64 67-64 67-64	PART NO. 224-51382 224-518 224-518V 224-518TP	DESCRIPTION Gear type High Volume; Installation may require timing cover removal Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions

4.9L 301 OHV V8 (Pontiac), 4" Bore 1981-77 69
 VIN Codes "W" 1978-81, "Y" 1977-79

QTY 1	TIMING Timing Chain	YEARS 81-77	PART NO. 222-365	DESCRIPTION 60 Links
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(continued on next page)

GM Car

69 4.9L 301 OHV V8 (Pontiac), 4" Bore 1981-77

(cont.) VIN Codes "W" 1978-81, "Y" 1977-79

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	80	CS-690	VIN Code "W"
	1	Camshaft	79	CS-690	w/M/T
	1	Camshaft	78	CS-690	VIN Code "Y"; w/A/T
	1	Camshaft	77	CS-690	w/A/T
	16	Lifter	81-77	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	16	Lifter, Bulk	81-77	HT-969B Std Only	Hyd.; Carton of 128
	1	Prelube	81-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	80	KC-690A	VIN Code "W"; Hyd.; Incl. (1) CS-690, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	79	KC-690A	w/M/T; Hyd.; Incl. (1) CS-690, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	78	KC-690A	VIN Code "Y"; w/A/T; Hyd.; Incl. (1) CS-690, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	77	KC-690A	w/A/T; Hyd.; Incl. (1) CS-690, (16) HT-969, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	81-79	RP-3206	8.0450" O.A.L.
	16	Push Rod	78-77	RP-3166B	-.1/16" shorter length; 8.0920" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	81-77	R-1032	Incl. arm, ball & nut
	16	Arm Assy., Bulk	81-77	R-1032B	Incl. arm, ball & nut; Carton of 64
	16	Arm	81-77	R-849A	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	81-77	VG-5002	Exh. & Int.; .3420" ID, 3.0600" O.A.L.
	16	Guide	81-77	VG-5002T	Exh. & Int.; Threaded; .3430" ID, 3.0630" O.A.L.
	16	Guide, Bulk	81-77	VG-5002B	Exh. & Int.; Carton of 50; .3420" ID, 3.0600" O.A.L.
	16	Guide, Bulk	81-77	VG-5002TB	Exh. & Int.; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	81-77	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	81-77	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	81-77	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	81-77	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	81-77	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	81-77	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	81-77	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	81-77	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	81-77	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	81-77	VK-115	1 groove; Square cut key groove
	32	Keeper	81-77	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	81-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	16	Spring Insert	81-77	259-203C	.015"; Carton of 100
	16	Spring Insert	81-77	259-203B	.030"; Carton of 100
	16	Spring Insert	81-77	259-203BRS	.030"; Carton of 500
	16	Spring Insert	81-77	259-203A	.060"; Carton of 100
	16	Spring Insert	81-77	259-203ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	81-77	1114P30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Flat Head - 8.2:1 C.R.
	8	Cast Piston - Individual	81-77	W1114P30 * 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Flat Head - 8.2:1 C.R.
	8	Pin	81-77	P-2208 Std-3-5-0015	Pin bushing not req'd.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	81-80	E-377K Std-20-30-40	2-5/64, 1-3/16
BLOCK	1	Premium Set	79-77	E-251K Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	79-77	E-251KC Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	79-77	E-377K Std-20-30-40	2-5/64, 1-3/16
	1	Standard Set	81-80	E-377X Std-30-40	2-5/64, 1-3/16
	1	Standard Set	79-77	E-251X Std-10-20-30-40-60-80	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	79-77	E-377X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	81-80	WE-377K Std-20-30	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	79-77	WE-251K Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	79-77	WE-251KC Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	79-77	WE-377K Std-20-30	2-5/64, 1-3/16

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4.9L 301 OHV V8 (Pontiac), 4" Bore 1981-77 69

VIN Codes "W" 1978-81, "Y" 1977-79 (cont.)

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	8	Standard Single Cylinder Set	81-80	WE-377X Std-30	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	79-77	WE-251X Std-20-30-40-60-80	.200" deep oil ring groove; 2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	79-77	WE-377X Std-30	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	81-77	5092M Std-10-20	A-Series aluminum bearings	
	1	Rod Set	81-77	8-2500RAA Std-10-20-30-40		
	8	Rod Pair	81-77	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set	81-77	1220M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	81-77	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen		
1	Inter. Shaft	81	224-61236			
1	Inter. Shaft	80	224-61236			
1	Inter. Shaft	79-77	224-61236			
1	Screen Assy.	81-77	224-11236	3/4" inlet tube		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	81-77	260-1122	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	81-77	381-8039			
1	Steel Block Plug Kit	81-77	381-4028			
KITS	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	81-80	w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-651	205-151
			Re-ring w/Mains		205-651M	205-151M
	79-77	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-629	205-129
			Re-ring w/Mains		205-629M	205-129M
	79-77	w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-651	205-151
			Re-ring w/Mains		205-651M	205-151M

4.9L 301 OHV Turbo V8 (Pontiac), 4" Bore 1981-80 70

VIN Code "T" 1980-81

VALVE TRAIN

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	81-80	222-365	60 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	81-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove
16	Lifter, Bulk	81-80	HT-969B Std Only	Hyd.; Carton of 128
1	Prelube	81-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	81-80	RP-3206	8.0450" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	81-80	R-1032	Incl. arm, ball & nut
16	Arm Assy., Bulk	81-80	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm	81-80	R-849A	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	81-80	VG-5002	Exh. & Int.; .3420" ID, 3.0600" O.A.L.
16	Guide	81-80	VG-5002T	Exh. & Int.; Threaded; .3430" ID, 3.0630" O.A.L.
16	Guide, Bulk	81-80	VG-5002B	Exh. & Int.; Carton of 50; .3420" ID, 3.0600" O.A.L.
16	Guide, Bulk	81-80	VG-5002TB	Exh. & Int.; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	81-80	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	81-80	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	81-80	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	81-80	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	81-80	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	81-80	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
8	Exh.	81-80	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
8	Int.	81-80	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Int.	81-80	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	81-80	VK-115	1 groove; Square cut key groove
32	Keeper	81-80	VK-115R	1 groove; Square cut key groove; Hardened

VALVE TRAIN

(continued on next page)

GM Car

70 4.9L 301 OHV Turbo V8 (Pontiac), 4" Bore 1981-80

(cont.) VIN Code "T" 1980-81

B L O C K					
QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
32	Keeper, Bulk	81-80	VK-115B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	81-80	259-203C	.015"; Carton of 100	
16	Spring Insert	81-80	259-203B	.030"; Carton of 100	
16	Spring Insert	81-80	259-203BRS	.030"; Carton of 500	
16	Spring Insert	81-80	259-203A	.060"; Carton of 100	
16	Spring Insert	81-80	259-203ARS	.060"; Carton of 500	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	81-80	5092M Std-10-20	A-Series aluminum bearings	
1	Rod Set	81-80	8-2500RAA Std-10-20-30-40		
8	Rod Pair	81-80	2500RAA Std-1-2-10-20-30-40		
1	Cam Set	81-80	1220M Std Only	A-Series aluminum bearings	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	81-80	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen	
1	Inter. Shaft	81-80	224-61236	3/4" inlet tube	
1	Screen Assy.	81-80	224-11236		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	81-80	260-1122	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	81-80	381-8039		
1	Steel Block Plug Kit	81-80	381-4028		
B L O C K					

71 4.9L 302 OHV V8 (Chevrolet), 4" Bore 1969-67

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	69-67	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
	1	Timing Chain	69-67	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Crank Sprocket	69-67	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
	1	Cam Sprocket	69-67	223-390	.405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	69-67	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Performance Cam	69-67	CS-118R	Camaro; w/Mech. lifters & Spec. Hi-Perf.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 254 Int., 254 Exh.; Valve lift .4850" Int., .4850" Exh.; Lobe Separation 114 Degrees	
	1	Performance Cam	69-67	CS-1179R	Camaro; w/Mech. lifters; Pro-4000 Perf. Cam; Mech.; Duration at .050: 257 Int., 270 Exh.; Valve lift .4930" Int., .5120" Exh.; Lobe Separation 112 Degrees	
	16	Lifter	69-67	AT-992 Std Only	Mech.	
	16	Lifter, Bulk	69-67	AT-992B Std Only	Mech.; Carton of 128	
	1	Prelube	69-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-67	KC-118R	Camaro; w/Mech. lifters & Spec. Hi-Perf.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 254 Int., 254 Exh.; Valve lift .455" Int., .455" Exh.; Lobe Separation 114 degrees; Incl. (16) AT-992, (1) CS-118R, (1) 55-403B	
	1	Cam/Lifter Kit	69-67	KC-1179R	Camaro; w/Mech. lifters; Mech.; Pro-4000 Perf. Cam; Duration at .050", 257 Int., 270 Exh.; Valve lift .493" Int., .512" Exh.; Lobe Separation 112 degrees; Overlap 84 degrees; Incl. (16) AT-992, (1) CS-1179R, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	69-67	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	69-67	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	69-67	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
	16	Push Rod	69-67	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
	16	Push Rod	69-67	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	69-67	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	16	Push Rod, Bulk	69-67	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
	16	Push Rod, Bulk	69-67	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Arm Assy.	69-67	R-826	Incl. arm, ball & nut	
	16	Arm Assy., Bulk	69-67	R-826B	Incl. arm, ball & nut; Carton of 64	
	16	Arm	69-67	R-826A		
	16	Pivot Ball	69-67	MR-1783		
	16	Pivot Ball	69-67	MR-1822	H/D 4 groove ball	
	16	Nut	69-67	MR-1751	Self-locking, 3/8" x 24 threads	
	16	Stud	69-67	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	16	Stud	69-67	MR-1949	3/8" x 24 x 2.495"	
	16	Stud	69-67	MR-1949	3/8" x 24 x 2.495"	

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4.9L 302 OHV V8 (Chevrolet), 4" Bore 1969-67 **71**
(cont.)

QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	69-67	V-1755 Std-15	Chrome plated stem; 1.6000" Head Dia., .3415" Stem Dia., 4.9030" O.A.L.
8	Exhaust, Bulk	69-67	V-1755B15 15	Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3565" Stem Dia., 4.9030" O.A.L.
8	Intake	69-67	V-1756 Std-15	Chrome plated stem; 2.0200" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	69-67	V-1756B15 15	Chrome plated stem; Carton of 25; 2.0200" Head Dia., .3565" Stem Dia., 4.8800" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	69-67	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	69-67	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	69-67	VS-677	Incl. damper; 2.0300" Free Height
16	Spring	69-67	VS-739R	Optional-H/D; 2.0000" Free Height
16	Spring, Bulk	69-67	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	69-67	VS-739RB	Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	69-67	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	69-67	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
16	Valve Stem Seal	69-67	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	69-67	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	69-67	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	69-67	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	69-67	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	69-67	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	69-67	VK-115	1 groove; Square cut key groove
32	Keeper	69-67	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	69-67	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	69-67	259-203C	.015"; Carton of 100
16	Spring Insert	69-67	259-203B	.030"; Carton of 100
16	Spring Insert	69-67	259-203BRS	.030"; Carton of 500
16	Spring Insert	69-67	259-203A	.060"; Carton of 100
16	Spring Insert	69-67	259-203ARS	.060"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	69-67	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	69-67	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	69-67	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
1	Standard Set	69-67	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	69-67	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	69-67	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	69-67	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	69-67	SL-350M Std Only	3/32" wall, cut to length; Press fit sleeve
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-68	4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
1	Main Set	69-68	6688M10 10-20-30	A-Series aluminum bearings
1	Main Set	69-68	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Main Set	69-68	7329MA10 10-20-30	A-Series aluminum bearings ; .010" O/S length flange brg.
1	Main Set	67	994M Std-1-10-20-30-40	A-Series aluminum bearings
1	Rod Set	69-68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set	69-68	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set	69-68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
1	Rod Set	69-68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
1	Rod Set	67	8-2020CP Std-1-10-20-30-40	Unplated & resizeable
1	Rod Set	69-68	8-2555CA60 60	A-Series aluminum bearings
8	Rod Pair	69-68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
8	Rod Pair	69-68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
8	Rod Pair	67	2020CP Std-1-2-10-20-30-40-50	

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GM Car

71 4.9L 302 OHV V8 (Chevrolet), 4" Bore 1969-67

(cont.)

B L O C K	ENGINE BEARINGS					B L O C K
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	8	Rod Pair	69-68	2555CA60 60	Unplated & resizeable	
	1	Cam Set	69-68	1811M Std Only	Race Performance; "Big Block"; Split type design, 2.120" housing bore	
	1	Cam Set	69-68	1750M Std Only	2.030" housing bore	
	1	Cam Set	69-67	1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set	69-67	1749M Std Only	Bi-Metal Aluminum	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69-67	224-4153S	High volume and pressure, check pan for clearance; Use shaft w/steel guide	
	1	Oil Pump	69-67	224-4146A	High Pressure; 5/8" inlet	
1	Oil Pump	69-67	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide		
1	Oil Pump	69-67	224-4146	5/8" inlet		
1	Inter. Shaft	69-67	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide		
1	Inter. Shaft	69-67	224-6146	Use w/nylon shaft guide		
1	Oil Pump Shaft Guide	69-67	224-43343	Nylon		
1	Screen Assy.	69-67	224-1246	5/8" inlet tube		
1	Tool	69-67	MT-J21882	Pump screen installation tool for 5/8" tube		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	69-67	260-1000	Premium Set; Performance head gskt. incl.; Performance manifold gskts. incl.; Complete set		
1	Kit Gasket Set	69-67	260-1079			
2	Head Bolt Set	69-67	260-2500			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	69-67	381-8007	Re-ring Re-ring w/Mains		
1	Steel Block Plug Kit	69-67	381-4011			
K I T S	RE-RING KIT			PREMIUM	ECONOMY	
	YEARS	DESCRIPTION		KIT NO.	KIT NO.	
	69-68	Incl. A-Series aluminum bearings		205-630	205-130	
				205-630M	205-130M	
	67			205-662	205-162	
			205-662M	205-162M		
K I T S						

72 5.0L 303 OHV V8 (Oldsmobile), 3.75" Bore 1953-49

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	53-52	RP-3024	9.2850" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	53-49	ST-2001	Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal Bulk	53-49	ST-2001BC	Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	53-49	VK-115	1 groove; Square cut key groove
16	Keeper	53-49	VK-115R	1 groove; Square cut key groove; Hardened
16	Keeper, Bulk	53-49	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	53-49	E-240K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	53-49	E-240X Std-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	53-49	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	53-49	WE-240X Std-30-40-60	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	53-49	SL-19M Std Only	3/32" wall, must be cut to correct length

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-89	KT3-499SA3	Incl. hardened cam sprocket; Incl. (1) 222-499, (1) 223-391, (1) 223-732T
1	3 Piece Set	88-87	KT3-499S	Exc. rlr. cam; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	88-85	KT3-499SA3	VIN Codes "G" & "H"; w/Fed. Emis.; w/Calif. Emis.; Incl. (1) 222-499, (1) 223-391, (1) 223-732T
1	3 Piece Set	86-76	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Set w/Gaskets	90-89	CTS-1006	Incl. hardened cam sprocket; Oil pan gskt. not incl.
1	Timing Set w/Gaskets	85-76	CTS-1000	w/.405" tooth width sprocket

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5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **73**VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.)
1976-78, "7" 1982-83

QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	90-76	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	90-76	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	90-89	223-732T	Hardened; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	88-87	223-390	Exc. Rlr. cam; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	87-76	223-390	.405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-793	VIN Code "E"
1	Camshaft	90	CS-808	VIN Code "F"
1	Camshaft	89	CS-793	VIN Code "F"; w/A/T
1	Camshaft	89	CS-808	VIN Code "F"; w/M/T
1	Camshaft	89	CS-793	VIN Code "H"
1	Camshaft	88	CS-808	VIN Code "F"; w/M/T
1	Camshaft	88	CS-711	VIN Code "H"
1	Camshaft	88	CS-793	VIN Code "H"
1	Camshaft	88	CS-793	VIN Codes "E" & "F"; w/A/T
1	Camshaft	88-87	CS-766	VIN Code "G"
1	Camshaft	87	CS-793	VIN Code "F"; w/A/T; w/Fed. Emis.; w/Calif. Emis.
1	Camshaft	87	CS-808	VIN Code "F"; w/M/T; w/Fed. Emis.; w/Calif. Emis.
1	Camshaft	87	CS-808	VIN Code "F"; Export; w/A/T
1	Camshaft	87	CS-793	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.
1	Camshaft	87	CS-711	VIN Code "H"; Exc. Fed. Emis.; Exc. Calif. Emis.
1	Camshaft	86	CS-711	VIN Codes "F" & "H"; Exc. Export
1	Camshaft	86	CS-766	VIN Codes "G" & "7"
1	Camshaft	85	CS-766	VIN Codes "F", "G" & "7"
1	Camshaft	85-83	CS-711	VIN Code "H"
1	Camshaft	85-83	CS-274	VIN Code "S"
1	Camshaft	84-83	CS-766	VIN Codes "G" & "7"; Monte Carlo & Malibu
1	Camshaft	82	CS-711	VIN Code "H"
1	Camshaft	82	CS-274	VIN Code "7"
1	Camshaft	81-76	CS-711	
1	Performance Cam	80-76	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-76	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-76	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
16	Lifter	90-89	HT-2148 Std Only	Hyd. rlr.
16	Lifter	88-87	HT-817 Std Only	Hyd.
16	Lifter	88-87	HT-2148 Std Only	Hyd. rlr.
16	Lifter	86-76	HT-817 Std Only	Hyd.
16	Lifter	86-76	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter, Bulk	90-89	HT-2148B Std Only	Hyd. rlr.; Carton of 128
16	Lifter, Bulk	88-87	HT-2148B Std Only	Hyd. rlr.; Carton of 128
16	Lifter, Bulk	88-87	HT-817B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	86-76	HT-817B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	86-76	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	90-76	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90	KC-793	VIN Code "E"; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	90	KC-808	VIN Code "F"; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	89	KC-793	VIN Code "F"; w/A/T; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	89	KC-808	VIN Code "F"; w/M/T; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	89	KC-793	VIN Code "H"; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	88	KC-808	VIN Code "F"; w/M/T; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	88	KC-793	VIN Code "H"; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	88	KC-711	VIN Code "H"; Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	88	KC-793	VIN Codes "E" & "F"; w/A/T; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	88-87	KC-766	VIN Code "G"; Hyd.; Incl. (1) CS-766, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	87	KC-793	VIN Code "F"; w/A/T; w/Fed. Emis.; w/Calif. Emis.; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-808	VIN Code "F"; w/M/T; w/Fed. Emis.; w/Calif. Emis.; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-808	VIN Code "F"; Export; w/A/T; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-793	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; Hyd. rlr.; Incl. (1) CS-793, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	87	KC-711	VIN Code "H"; Exc. Fed. Emis.; Exc. Calif. Emis.; Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	86	KC-711	VIN Codes "F" & "H"; Exc. Export; Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	86	KC-766	VIN Codes "G" & "7"; Hyd.; Incl. (1) CS-766, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	85	KC-766	VIN Codes "F", "G" & "7"; Hyd.; Incl. (1) CS-766, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	85-83	KC-711	VIN Code "H"; Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	85-83	KC-274	VIN Code "S"; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	84-83	KC-766	VIN Codes "G" & "7"; Monte Carlo & Malibu; Hyd.; Incl. (1) CS-766, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	82	KC-711	VIN Code "H"; Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	82	KC-274	VIN Code "7"; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	81-76	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-76	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-76	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-76	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	88	KCT-711	VIN Code "H"; Exc. rlr. cam; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	88-87	KCT-766A	VIN Code "G"; Exc. rlr. cam; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-766, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	87	KCT-711	VIN Code "H"; Exc. Fed. Emis.; Exc. Calif. Emis.; Exc. rlr. cam; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86	KCT-711	VIN Codes "F" & "H"; Exc. Export; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86	KCT-766A	VIN Codes "G" & "7"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-766, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-766A	VIN Codes "F", "G" & "7"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-766, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	85-83	KCT-711	VIN Code "H"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	85-83	KCT-274	VIN Code "S"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-83	KCT-766A	VIN Codes "G" & "7"; Monte Carlo & Malibu; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-766, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	82	KCT-711	VIN Code "H"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	82	KCT-274	VIN Code "7"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	81-76	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B

(continued on next page)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **73**VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.)
1976-78, "7" 1982-83

VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90-87	RP-3262	7.1920" O.A.L.
	16	Push Rod	86-76	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	86-76	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	86-76	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	86-76	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	86-76	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	90-87	BRP-3262	Carton of 100; 7.1920" O.A.L.
	16	Push Rod, Bulk	86-76	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	86-76	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	86-76	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-82	R-973	Incl. arm, ball & nut
	16	Arm Assy.	81-76	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	90-82	R-973B	Incl. arm, ball & nut; Carton of 64
	16	Arm Assy., Bulk	81-76	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	90-82	R-973A	
	16	Arm	81-76	R-826A	
	16	Pivot Ball	90-76	MR-1783	
	16	Pivot Ball	90-76	MR-1822	H/D 4 groove ball
	16	Nut	90-76	MR-1751	Self-locking, 3/8" x 24 threads
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-76	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	90-76	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Intake	90-80	V-2143 Std-3-5-15	Chrome plated stem; 1.8390" Head Dia., .3410" Stem Dia., 4.9120" O.A.L.
	8	Intake	79	V-2143 Std-3-5-15	VIN Code "H"; Chrome plated stem; 1.8390" Head Dia., .3410" Stem Dia., 4.9120" O.A.L.
	8	Intake	79	V-1927 Std-15	VIN Code "U"; Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake	78-76	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	90-80	V-2143B Std-15	Chrome plated stem; Carton of 25; 1.8400" Head Dia., .3413" Stem Dia., 4.9120" O.A.L.
	8	Intake, Bulk	79	V-2143B Std-15	VIN Code "H"; Chrome plated stem; Carton of 25; 1.8400" Head Dia., .3413" Stem Dia., 4.9120" O.A.L.
	8	Intake, Bulk	79	V-1927B Std-15	VIN Code "U"; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-76	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	8	Guide	90-76	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide	90-76	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide	90-76	VG-5131T	Exh. & Int.; Universal; .4380" ID, 3.2500" O.A.L.
	8	Guide	90-76	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk	90-76	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk	90-76	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk	90-76	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Spring	90-78	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	16	Spring	90-78	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
	8	Spring	77-76	VS-727	Exh.; Incl. damper; 1.9100" Free Height
	8	Spring	77-76	VS-677	Int.; Incl. damper; 2.0300" Free Height
	16	Spring, Bulk	90-78	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	90-78	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
	8	Spring, Bulk	77-76	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
	8	Spring, Bulk	77-76	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-76	ST-2003	Positive type; Installation requires valve guide machining; Rubber
VALVE TRAIN	16	Valve Stem Seal	90-76	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	90-76	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
	8	Valve Stem Seal	90-81	MV-1888C	Int.; O.E. design; Positive type; Viton®
	1	Valve Stem Seal	90-76	MV-1233C	O-Ring; Rubber

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90-76	MV-1598C	Umbrella type; Rubber
	8	Valve Stem Seal Bulk	90-81	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
	1	Valve Stem Seal Bulk	90-76	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	90-76	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
VALVE TRAIN	16	Valve Stem Seal Bulk	90-76	MV-1598	Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	90-80	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
	8	Exh.	90-76	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	90-76	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
VALVE TRAIN	8	Int.	79	245-1937-1 Std Only	VIN Code "H"; 1.9425" OD, 1.6875" ID, .2480" Depth
	8	Int.	79	245-1812-3 Std Only	VIN Code "U"; 1.8175" OD, 1.5000" ID, .2160" Depth
	8	Int.	78-76	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	8	Int.	78-76	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
	8	Int.	78-76	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-76	VK-115	1 groove; Square cut key groove
	32	Keeper	90-76	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-76	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-76	259-203C	.015"; Carton of 100
VALVE TRAIN	16	Spring Insert	90-76	259-203B	.030"; Carton of 100
	16	Spring Insert	90-76	259-203BRS	.030"; Carton of 500
	16	Spring Insert	90-76	259-203A	.060"; Carton of 100
	16	Spring Insert	90-76	259-203ARS	.060"; Carton of 500
	8	Rotocap	90-76	RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90	536NCP20 20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
	8	Cast Piston	90	536NP Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	8	Cast Piston	89-88	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston	89-88	536NCP20 20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
	8	Cast Piston	89-88	536NP Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	8	Cast Piston	89-88	H534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Cast Piston	87	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston	87	536NCP20 20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
	8	Cast Piston	87	536NP Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	8	Cast Piston	87	454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	8	Cast Piston	87	H534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Cast Piston	86-82	534NP Std-20-30-40-60	w/Fed. Emis.; w/Calif. Emis.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston	86-82	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston	86-82	454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.

(continued on next page)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 73

VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.)
1976-78, "7" 1982-83

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	86-82	H534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston	81-76	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
8	Cast Piston	81-76	454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
8	Cast Piston	81-76	H534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	90	W536NP Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
8	Cast Piston - Individual	89-88	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
8	Cast Piston - Individual	89-88	W536NP Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
8	Cast Piston - Individual	89-88	WH534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	87	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
8	Cast Piston - Individual	87	W536NP Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
8	Cast Piston - Individual	87	W454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
8	Cast Piston - Individual	87	WH534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	86-82	W534NP Std-20-30-40-60	w/Fed. Emis.; w/Calif. Emis.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	86-82	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
8	Cast Piston - Individual	86-82	W454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
8	Cast Piston - Individual	86-82	WH534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	81-76	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
8	Cast Piston - Individual	81-76	W454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
8	Cast Piston - Individual	81-76	WH534CP Std-20-30-40-60	Perf. or reg. duty operation; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
1	Cast Piston Set w/Prem. Rings	90	8K536NCP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	89-88	8K536NCP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	89-88	8KH534CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
1	Cast Piston Set w/Prem. Rings	87	8K454NP30 30-40-60	Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
1	Cast Piston Set w/Prem. Rings	87	8K536NCP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	87	8KH534CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Cast Piston Set w/Prem. Rings	86-82	8K454NP30 30-40-60	Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings	86-82	8KH534CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Cast Piston Set w/Prem. Rings	81-76	8K454NP30 30-40-60	Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings	81-76	8KH534CP30 30-40-60	Perf. or reg. duty operation; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Cast Piston Set w/Econ. Rings	90	8X536NP20 20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	1	Cast Piston Set w/Econ. Rings	89-88	8X536NP20 20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	1	Cast Piston Set w/Econ. Rings	87	8X536NP20 20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	1	Cast Piston Set w/Econ. Rings	87	8X454NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings	86-82	8X534NP30 30-40	w/Fed. Emis.; w/Calif. Emis.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	1	Cast Piston Set w/Econ. Rings	86-82	8X454NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings	81-76	8X454NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	8	Powerforged	87	L-2486F30 Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	86-85	L-2486F30 Std-30-40	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	86-85	L-2486F30 Std-30-40	VIN Codes "F" & "G"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	83-82	L-2486F30 Std-30-40	VIN Codes "S" & "7"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	87	WL-2486F Std-30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	86-85	WL-2486F Std-30	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	86-85	WL-2486F Std-30	VIN Codes "F" & "G"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	83-82	WL-2486F Std-30	VIN Codes "S" & "7"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Pin	90-76	P-2208 Std-3-5-0015	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-76	E-356K Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-76	E-356KC Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	90-76	E-356X Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-76	WE-356K Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-76	WE-356X Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-76	4663M Std-1-2-10-20-30-40-60	
	1	Main Set	90-76	6688M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	90-76	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Main Set	90-76	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set	90-76	7274MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD
	1	Rod Set	90-76	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	90-76	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore

(continued on next page)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **73**VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.)
1976-78, "7" 1982-83

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Rod Set	90-76	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
	1	Rod Set	90-76	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
	1	Rod Set	90-76	8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair	90-76	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair	90-76	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair	90-76	2555CA60 60	Unplated & resizeable	
	1	Cam Set	90-76	1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set	90-76	1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set	90-76	1811M Std Only	Race Performance; "Big Block"; Split type design, 2.120" housing bore	
BLOCK	1	Cam Set	90-76	1750M Std Only	2.030" housing bore	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-43469V	High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide	
	1	Oil Pump	90-76	224-4146A	High Pressure; 5/8" inlet	
	1	Oil Pump	90-76	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	90-76	224-4146	5/8" inlet	
	1	Inter. Shaft	90-76	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	90-76	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	90-76	224-43343	Nylon	
	1	Screen Assy.	90	224-1246	5/8" inlet tube	
BLOCK	1	Screen Assy.	80	224-14227	Corvette; 5/8" inlet tube	
	1	Screen Assy.	80	224-1246	Exc. Corvette; 5/8" inlet tube	
	1	Screen Assy.	79-76	224-1246	5/8" inlet tube	
	1	Tool	90-76	MT-J21882	Pump screen installation tool for 5/8" tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-87	260-1246	Exc. VIN Code "F"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90-87	260-1247	VIN Code "F"; w/TPI; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1245	VIN Code "F"; w/TPI; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1243	VIN Codes "G" & "H"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1244	VIN Code "F"; w/TPI; Premium valve stem seals incl.	
BLOCK	1	Kit Gasket Set	85-84	260-1024	VIN Codes "G" & "H"; Premium valve stem seals incl.	
	1	Kit Gasket Set	83-82	260-1024	VIN Codes "F" & "H"; Premium valve stem seals incl.	
	1	Kit Gasket Set	81	260-1024	Premium valve stem seals incl.	
	1	Kit Gasket Set	80	260-1023		
	1	Kit Gasket Set	79-76	260-1023		
	2	Head Bolt Set	90-76	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-86	381-8059		
	1	Brass Block Plug Kit	85-76	381-8007		
	1	Steel Block Plug Kit	90-76	381-4011		
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION				
	90-87	Exc. VIN Code "F"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		PREMIUM KIT NO. 205-6026 205-6026M	ECONOMY KIT NO. 205-1026 205-1026M
	90-87	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6027 205-6027M	205-1027 205-1027M
	86	VIN Codes "G" & "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6024 205-6024M	205-1024 ----
KITS	86	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6025 205-6025M	----- -----

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	86	VIN Codes "G" & "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains	-----	205-1270M	
	86	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	----- -----	205-1271 205-1271M	
	85	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6023 205-6023M	----- -----	
	85	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	----- -----	205-1269 205-1269M	
	85	VIN Codes "G" & "H"; w/4 Bbl. Carb.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M	
	84	VIN Codes "F", "G" & "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M	
	83-82	VIN Codes "F" & "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M	
	81	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M	
	80	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6285 205-6285M	205-1285 205-1285M	
	79-76	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6285 205-6285M	205-1285 205-1285M	
K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90	VIN Code "E"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	MKP-6026C MK-6026C	-----	
	90	VIN Code "E"; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6026C	505-1026C	
	90	VIN Code "E"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Pistons	-----	MK-1026G	
	90	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	MKP-6027C MK-6027C	MKP-1027C MK-1027C	
	90	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6027C	505-1027C	
	90-87	Exc. VIN Code "F"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 536NP piston	Block w/Pump & Freeze Plugs	BKP-6072	-----	
	90-87	Exc. VIN Code "F"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 536NP piston	Block	BK-6072	-----	
	90-87	VIN Code "F"; w/TPI; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block	BK-6078	-----	
	90-87	VIN Code "F"; w/TPI; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6078	-----	

(continued on next page)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **73**

VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.) 1976-78, "7" 1982-83

K I T S	OVERHAUL KIT (cont.)				K I T S
	YEARS	DESCRIPTION		PREMIUM KIT NO. MKP-6026C MK-6026C	
	89	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	505-6026C	505-1026C
	89	VIN Code "H"; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6026C	505-1026C
	89	VIN Code "F"; w/A/T; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	MKP-6027A MK-6027A	MKP-1027A MK-1027A
	89	VIN Code "F"; w/A/T; w/TPI; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6027A	505-1027A
	89	VIN Code "F"; w/M/T; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	MKP-6027C MK-6027C	MKP-1027C MK-1027C
	89	VIN Code "F"; w/M/T; w/TPI; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6027C	505-1027C
	88	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons	MKP-6026C MK-6026C	MKP-1026C -----
	88	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Rods & Mains	505-6026C	505-1026C
	88	VIN Code "H"; Exc. rlr. cam; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-6026E MK-6026E	MKP-1026E MK-1026E
	88	VIN Code "H"; Exc. rlr. cam; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6026E	505-1026E
	88-87	VIN Code "G"; Exc. rlr. cam; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-6026A MK-6026A	MKP-1026A MK-1026A
	88-87	VIN Code "G"; Exc. rlr. cam; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6026A	505-1026A
	87	VIN Code "H"; Exc. Fed. Emis.; Exc. Calif. Emis.; Exc. rlr. cam; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-6026E MK-6026E	MKP-1026E MK-1026E
	87	VIN Code "H"; Exc. Fed. Emis.; Exc. Calif. Emis.; Exc. rlr. cam; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6026E	505-1026E

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	86	VIN Code "G"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6024C	MK-1024C
	86	VIN Code "G"; w/.200" deep oil ring groove; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-6024C	----
	86	VIN Code "G"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-6024C	MKP-1024C
	86	VIN Code "G"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6024C	505-1024C
	86	VIN Codes "F" & "H"; Exc. Export; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-6024D	----
	86	VIN Codes "G" & "H"; Exc. Export; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6024D	MK-1024D
	86	VIN Codes "G" & "H"; Exc. Export; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-6024D	MKP-1024D
	86	VIN Codes "G" & "H"; Exc. Export; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6024D	505-1024D
	85	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6023A	MK-1023A
	85	VIN Code "F"; w/TPI; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-6023A	----
	85	VIN Code "F"; w/TPI; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master w/o Rods & Mains	505-6023A	505-1023A
	85	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A
	85	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	----	MKP-148A
	85	VIN Code "H"; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	----	505-148A
	85	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-648A	----

(continued on next page)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **73**

VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" (cont.) 1976-78, "7" 1982-83

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	85	VIN Code "H"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	505-648A	-----
	85	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master	MKP-648D	MKP-148D
	85	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master w/o Rods & Mains	505-648D	505-148D
	85	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-648D	-----
	84	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A
	84	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	-----	MKP-148A
	84	VIN Code "H"; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	-----	505-148A
	84	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-648A	-----
	84	VIN Code "H"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	505-648A	-----
	84	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master	MKP-648D	MKP-148D
	84	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master w/o Rods & Mains	505-648D	505-148D
	83	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A
	83	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	-----	MKP-148A
	83	VIN Code "H"; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	-----	505-148A
	83	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-648A	-----
	83	VIN Code "H"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	505-648A	-----
	83	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master	MKP-648D	MKP-148D

(continued on next page)

GM Car

73 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) VIN Codes "E" 1988-93, "F" 1985-92, "G" 1979 & 1984-88, "H" 1978-88, "Q" 1976, "S" 1983, "U" 1976-78, "7" 1982-83

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	83	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master w/o Rods & Mains	505-648D	505-148D
	82	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A
	82	VIN Code "H"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	----	MKP-148A
	82	VIN Code "H"; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	----	505-148A
	82	VIN Code "H"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-648A	----
	82	VIN Code "H"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	505-648A	----
	82	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master	MKP-648D	MKP-148D
	82	VIN Code "H"; w/Fed. Emis.; w/Calif. Emis.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 534NP piston	Master w/o Rods & Mains	505-648D	505-148D
	81	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A
	81	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	----	MKP-148A
	81	w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	----	505-148A
	81	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-648A	----
	81	Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	505-648A	----

74 5.0L 307 OHV V8 (Oldsmobile), 3.8" Bore 1990-80

VIN Codes "Y" 1980-90, "9" 1983-90

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-80	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349
1	Timing Set w/Gaskets	90-80	CTS-1005	
1	Timing Chain	90-80	222-498	48 Links
1	Crank Sprocket	90-80	223-349	18 Teeth
1	Cam Sprocket	90-80	223-348	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-86	CS-850	VIN Code "9"
1	Camshaft	90-85	CS-758	VIN Code "Y"; w/rlr. cam
1	Camshaft	85	CS-651	VIN Code "9"; w/HO; Non-rlr. cam
1	Camshaft	84-83	CS-651	VIN Code "9"; w/HO
1	Camshaft	84-80	CS-707	VIN Code "Y"
16	Lifter	90-85	HT-2104 Std Only	Hyd. rlr.
16	Lifter	85-80	HT-951 Std Only	Hyd.
16	Lifter, Bulk	90-85	HT-2104B Std Only	Hyd. rlr.; Carton of 113
16	Lifter, Bulk	85-80	HT-951B Std Only	Hyd.; Carton of 128

(continued on next page)

5.0L 307 OHV V8 (Oldsmobile), 3.8" Bore 1990-80 74
VIN Codes "Y" 1980-90, "9" 1983-90 (cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Prelube	90-80	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.		DESCRIPTION
1	Cam/Lifter Kit	90-86	KC-758		VIN Code "Y"; w/r/r. cam; Hyd. rlr.; Incl. (1) CS-758, (16) HT-2104, (1) 55-403B
1	Cam/Lifter Kit	90-86	KC-850		VIN Code "9"; Hyd. rlr.; Incl. (1) CS-850, (16) HT-2104, (1) 55-403B
1	Cam/Lifter Kit	85	KC-758		VIN Code "Y"; w/r/r. cam; Hyd. rlr.; Incl. (1) CS-758, (16) HT-2104, (1) 55-403B
1	Cam/Lifter Kit	84-80	KC-707		VIN Code "Y"; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
1	Cam/Lifter/Timing Kit	85	KCT-651		VIN Code "9"; w/HO; Non-rlr. cam; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-83	KCT-707		VIN Code "Y"; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-83	KCT-651		VIN Code "9"; w/HO; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
1	Cam/Lifter/Timing Kit	82-80	KCT-707		VIN Code "Y"; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.		DESCRIPTION
16	Push Rod	90-85	RP-3244		w/r/r. lifters; 7.7000" O.A.L.
16	Push Rod	85-80	RP-3205		w/o rlr. lifters; 8.2480" O.A.L.
16	Push Rod, Bulk	90-85	BRP-3244		w/r/r. lifters; Carton of 100; 7.7000" O.A.L.
16	Push Rod, Bulk	85-80	BRP-3205		w/o rlr. lifters; Carton of 100; 8.2480" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.		DESCRIPTION
8	Arm Assy.	90-80	R-882		Incl. 2-arms, 2-pivots & 1-pivot bridge
8	Arm Assy., Bulk	90-80	R-882B		Incl. 2-arms, 2-pivots & 1-pivot bridge; Carton of 32
16	Arm	90-80	R-882A		
16	Arm, Bulk	90-80	R-882AB		Carton of 64
8	Pivot	90-80	MR-1903		
QTY	VALVE	YEARS	PART NO.		DESCRIPTION
8	Exhaust	90-80	V-2061 Std-15		Exc. VIN Code "9"; Chrome plated stem; 1.5020" Head Dia., .3423" Stem Dia., 4.6880" O.A.L.
8	Exhaust, Bulk	90-80	V-2061B15 15		Exc. VIN Code "9"; Chrome plated stem; Carton of 25; 1.5020" Head Dia., .3573" Stem Dia., 4.6880" O.A.L.
8	Intake	90-80	V-2196 Std-15		1.7500" Head Dia., .3428" Stem Dia., 4.6670" O.A.L.
8	Intake, Bulk	90-80	V-2196B15 15		Carton of 25; 1.7500" Head Dia., .3578" Stem Dia., 4.6670" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.		DESCRIPTION
16	Guide	90-80	VG-5038		Exh. & Int.; .3430" ID, 2.1200" O.A.L.
16	Guide, Bulk	90-80	VG-5038B		Exh. & Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.		DESCRIPTION
16	Spring	90-80	VS-721		Exc. VIN Code "9"; 1.9600" Free Height
16	Spring, Bulk	90-80	VS-721B		Exc. VIN Code "9"; Carton of 250; 1.9600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.		DESCRIPTION
8	Valve Stem Seal	90-80	MV-1819C		Int.; Umbrella type; Nylon
8	Valve Stem Seal Bulk	90-80	MV-1819		Int.; Umbrella type; Carton of 50; Nylon
QTY	VALVE SEAT	YEARS	PART NO.		DESCRIPTION
8	Exh.	90-80	245-1562-1N Std Only		Exc. VIN Code "9"; Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.	90-80	245-1562-1 Std Only		Exc. VIN Code "9"; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.	90-80	245-1875-2 Std Only		1.8800" OD, 1.5625" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.		DESCRIPTION
32	Keeper	90-80	VK-115		1 groove; Square cut key groove
32	Keeper	90-80	VK-115R		1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	90-80	VK-115B		1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	90-80	259-303C		.015"; ID .703"; Carton of 100
16	Spring Insert	90-80	259-303B		.030"; ID .703"; Carton of 100
16	Spring Insert	90-80	259-303A		.060"; ID .703"; Carton of 100
16	Spring Insert	90-80	259-303ARS		.060"; ID .703"; Carton of 500
QTY	PISTON	YEARS	PART NO.		DESCRIPTION
8	Cast Piston	90-85	H801CP Std-20-30-40-60		Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head "D" shaped dish .250" deep - 8.0:1 C.R.; Improved design, non-strutted; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
8	Cast Piston	84-80	472NP * Std-20-30-40-60		Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .127" deep x 2.660" dia. - 7.9:1 C.R.

(continued on next page)

GM Car

74 5.0L 307 OHV V8 (Oldsmobile), 3.8" Bore 1990-80

(cont.) VIN Codes "Y" 1980-90, "9" 1983-90

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	84-80	472P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .127" deep x 2.660" dia. - 7.9:1 C.R.; When depleted use 472NP	
	8	Cast Piston - Individual	90-85	WH801CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head "D" shaped dish .250" deep - 8.0:1 C.R.; Improved design, non-strutted; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	84-80	W472NP * Std-30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .127" deep x 2.660" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	84-80	W472P + Std-30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .127" deep x 2.660" dia. - 7.9:1 C.R.; When depleted use W472NP	
	8	Pin Bushing	87-80	3049YA20		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-80	E-288K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	90-80	E-288KC20 20-40	2-5/64, 1-3/16	
	1	Standard Set	90-80	E-288X Std-20-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	90-80	WE-288K Std-20-30-40-60	2-5/64, 1-3/16		
8	Standard Single Cylinder Set	90-80	WE-288X Std-20-30-40-60	2-5/64, 1-3/16		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-80	4281M Std-1-10-20-30-40	3.824" max. flange OD		
1	Rod Set	90-80	8-3045A Std-10-20-30-40	A-Series aluminum bearings		
1	Rod Set	90-80	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore		
1	Rod Set	90-80	8-3045APA Std-1	Overplated alum. alloy		
1	Rod Set	90-80	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy		
8	Rod Pair	90-80	3045A Std-1-10-20-30-40	A-Series aluminum bearings		
8	Rod Pair	90-80	3045APA Std Only	Overplated alum. alloy		
1	Cam Set	90-80	1466M Std Only	Full round design		
1	Cam Set	90-80	1787M Std Only	O.E. split type design		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90-86	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen		
1	Oil Pump	90-80	224-41203			
1	Inter. Shaft	90-80	224-61203			
1	Screen Assy.	90-80	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump		
1	Screen Assy.	90-80	224-11203	Exc. Riviera & Toronado; 5/8" inlet tube		
1	Screen Assy.	90-80	224-12203	Riviera & Toronado; Press-in tube		
1	Tool	90-80	MT-J21882	Pump screen installation tool for 5/8" tube		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-85	260-1477	Int. manifold gskt. not incl.; Int. manifold gskt. not incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	84-80	260-1124	Premium valve stem seals incl.; Int. manifold gskt. not incl.		
1	Valley Pan Gasket Set	90-85	260-4017			
1	Valley Pan Gasket Set	84-80	260-4001			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-80	381-8020			
1	Steel Block Plug Kit	90-80	381-4020			
KITS	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90-85	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6148M	205-1148M
	90-85	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-6148	205-1148
	84-80	Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.; Int. manifold gskt. not incl.	Re-ring w/Mains		205-6308M	205-1308M
	84-80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Int. manifold gskt. not incl.	Re-ring		205-6308	205-1308
	OVERHAUL KIT					
YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
90-86	VIN Code "9"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6148D MK-6148D	MKP-1148D MK-1148D	

(continued on next page)

5.0L 307 OHV V8 (Oldsmobile), 3.8" Bore 1990-80 74

VIN Codes "Y" 1980-90, "9" 1983-90 (cont.)

K I T S	OVERHAUL KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-86	VIN Code "9"; Int. manifold gskt. not incl.; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6148D	505-1148D
	90-85	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6079	----
	90-85	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD	Block		BK-6079	----
	90-85	VIN Code "Y"; w/r/r. cam; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-6148A MK-6148A	MKP-1148A MK-1148A
	90-85	VIN Code "Y"; w/r/r. cam; Int. manifold gskt. not incl.; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-6148A	505-1148A
	84-80	VIN Code "Y"; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master Master w/o Pistons		MKP-633A MK-633A	MKP-133A MK-133A
K I T S	84-80	VIN Code "Y"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-633A	505-133A

5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68 75

VIN Code "F" 1972-73

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	73-68	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Chain	73-68	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	73-68	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	73-68	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	73-68	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	73-68	CS-274	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	73-68	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	73-68	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
V A L V E T R A I N	16	Lifter	73-68	HT-817 Std Only	Hyd.
	16	Lifter	73-68	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
	16	Lifter, Bulk	73-68	HT-817B Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk	73-68	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	1	Prelube	73-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	73-68	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	73-68	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	73-68	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	73-68	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
V A L V E T R A I N	1	Cam/Lifter/Timing Kit	73-68	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	73-68	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	73-68	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
V A L V E T R A I N	16	Push Rod	73-68	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.

(continued on next page)

GM Car

75 5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68

(cont.) VIN Code "F" 1972-73

QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
16	Push Rod	73-68	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	73-68	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	73-68	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	73-68	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	73-68	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	73-68	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	73-68	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm	73-68	R-826A	
16	Pivot Ball	73-68	MR-1783	
16	Pivot Ball	73-68	MR-1822	H/D 4 groove ball
16	Nut	73-68	MR-1751	Self-locking, 3/8" x 24 threads
16	Stud	73-68	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud	73-68	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	73-71	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	73-68	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	70-68	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	73-71	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	70-68	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake	73-72	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	71-68	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	73-72	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	71-68	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	73	VS-727	Exh.; Incl. damper; 1.9100" Free Height
8	Spring	73	VS-677	Int.; Incl. damper; 2.0300" Free Height
16	Spring	72-68	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
16	Spring	72-68	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
8	Spring, Bulk	73	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
8	Spring, Bulk	73	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	72-68	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	72-68	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	73-68	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	73-68	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	73-68	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	73-68	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	73-68	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
8	Exh.	73-68	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
8	Int.	73-68	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	73-68	VK-115	1 groove; Square cut key groove
32	Keeper	73-68	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	73-68	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	73-68	259-203C	.015"; Carton of 100
16	Spring Insert	73-68	259-203B	.030"; Carton of 100
16	Spring Insert	73-68	259-203BRS	.030"; Carton of 500
16	Spring Insert	73-68	259-203A	.060"; Carton of 100
16	Spring Insert	73-68	259-203ARS	.060"; Carton of 500
8	Rotocap	73-68	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	73-68	295P * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston	73-68	295AP + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 295P
8	Cast Piston - Individual	73-68	W295P * Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs

(continued on next page)

5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68 **75**

VIN Code "F" 1972-73 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	73-68	W295AP + Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W295P
	8	Pin	73-68	P-2208 Std-3-5-0015	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	73-68	E-245K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	73-68	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	73-68	WE-245K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	73-68	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	73-68	4663M Std-1-2-10-20-30-40-60	
1	Main Set	73-68	6688M10 10-20-30	.020" O/S length flange brg.	
1	Main Set	73-68	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
1	Main Set	73-68	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.	
1	Rod Set	73-68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set	73-68	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
1	Rod Set	73-68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
1	Rod Set	73-68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
1	Rod Set	73-68	8-2555CA60 60	Unplated & resizeable	
8	Rod Pair	73-68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
8	Rod Pair	73-68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
8	Rod Pair	73-68	2555CA60 60	Unplated & resizeable	
1	Cam Set	73-68	1235M Std-1-10	Babbitt material; Full round design	
1	Cam Set	73-68	1749M Std Only	Bi-Metal Aluminum	
1	Cam Set	73-68	1750M Std Only	2.030" housing bore	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	73-68	224-4146A	High Pressure; 5/8" inlet	
1	Oil Pump	73-68	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
1	Oil Pump	73-68	224-4146	5/8" inlet	
1	Inter. Shaft	73-68	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
1	Inter. Shaft	73-68	224-6146	Use w/nylon shaft guide	
1	Oil Pump Shaft Guide	73-68	224-43343	Nylon	
1	Screen Assy.	73-68	224-1246	5/8" inlet tube	
1	Tool	73-68	MT-J21882	Pump screen installation tool for 5/8" tube	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	73-68	260-1000		
1	Kit Gasket Set	73-68	260-1079	Premium Set; Performance head gskt. incl.; Performance manifold gskts. incl.; Complete set	
2	Head Bolt Set	73-68	260-2500		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	73-68	381-8007		
1	Steel Block Plug Kit	73-68	381-4011		
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	73-68	Incl. A-Series aluminum bearings	Re-ring	205-6283	205-1283
			Re-ring w/Mains	205-6283M	205-1283M
	OVERHAUL KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
73-68	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-620A	505-120A	
73-68	Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-620B	MKP-120B	
		Master w/o Pistons	MK-620B	MK-120B	
5.2L 316 OHV V8 (Pontiac), 3.9375" Bore 1956 76					
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
16	Lifter	56	HT-951 Std Only	Hyd.	
16	Lifter, Bulk	56	HT-951B Std Only	Hyd.; Carton of 128	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	56	RP-3229R	Chrome-Moly; 9.1300" O.A.L.	
16	Push Rod	56	RP-3028	9.1360" O.A.L.	
16	Push Rod, Bulk	56	BRP-3028	Carton of 100; 9.1360" O.A.L.	

(continued on next page)

GM Car

76 5.2L 316 OHV V8 (Pontiac), 3.9375" Bore 1956

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V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Guide	56	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.	
	8	Guide	56	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.	
	8	Guide	56	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.	
V A L V E T R A I N	8	Guide, Bulk	56	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.	V A L V E T R A I N
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	56	VS-445	Inner; 1.8120" Free Height	
	16	Spring	56	VS-446	Outer; 1.9800" Free Height	
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Valve Stem Seal	56	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
	16	Valve Stem Seal	56	ST-2092	Positive type; Rubber	
	8	Valve Stem Seal	56	MV-1233C	Int.; O-Ring; Rubber	
V A L V E T R A I N	16	Valve Stem Seal Bulk	56	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	V A L V E T R A I N
	8	Valve Stem Seal Bulk	56	MV-1233	Int.; O-Ring; Carton of 100; Rubber	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	56	VK-115	1 groove; Square cut key groove	
V A L V E T R A I N	32	Keeper	56	VK-115R	1 groove; Square cut key groove; Hardened	V A L V E T R A I N
	32	Keeper, Bulk	56	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	56	E-252X Std-30	2-5/64, 1-3/16	

77 5.3L 322 OHV V8 (Buick), 4" Bore 1956-53

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	56-53	222-491	52 Links	
	1	Crank Sprocket	56-53	223-276	19 Teeth	
	1	Cam Sprocket	56-53	223-332N	Nylon; 38 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Lifter	56	HT-896 Std Only	Hyd.	
	16	Lifter, Bulk	56	HT-896B Std Only	Hyd.; Carton of 126	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	16	Push Rod	56-53	RP-3010	8.2500" O.A.L.	V A L V E T R A I N
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	56-53	VG-628	Exh.; .3745" ID, 2.7500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	16	Spring	56-53	VS-527	Inner; 2.0100" Free Height	V A L V E T R A I N
	16	Spring	56-53	VS-612	Outer; 2.0700" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	56-53	ST-2014	Positive type; Installation requires valve guide machining; PTFE	
V A L V E T R A I N	16	Valve Stem Seal Bulk	56-53	ST-2014BC	Positive type; Installation requires valve guide machining; Carton of 100; PTFE	V A L V E T R A I N
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	56-53	VK-97		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Premium Set	56-53	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	B L O C K
	1	Premium Set	56-53	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	56-53	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	56-53	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
B L O C K	8	Premium Single Cylinder Set	56-53	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	B L O C K
	8	Standard Single Cylinder Set	56-53	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	56-53	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
B L O C K	8	Repair Sleeve	56-53	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	B L O C K

78 5.3L 324 OHV V8 (Oldsmobile), 3.875" Bore 1956-54

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	56-55	222-494	1/2" pitch; 48 Links	
	1	Timing Chain	56-54	222-368	3/8" pitch; 11 links wide; 64 Links	
	1	Timing Chain	54	222-494	From Eng. No. 8A-285505; 1/2" pitch; 48 Links	
V A L V E T R A I N	1	Cam Sprocket	56-55	223-245	1/2" pitch; 48 Teeth	V A L V E T R A I N
	1	Cam Sprocket	54	223-245	From Eng. No. 8A-285505; 1/2" pitch; 48 Teeth	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	56-54	VG-584	Exh.; .3973" ID, 2.3800" O.A.L.	
V A L V E T R A I N	8	Guide	56-54	VG-538	Int.; .3450" ID, 2.3750" O.A.L.	V A L V E T R A I N

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5.3L 324 OHV V8 (Oldsmobile), 3.875" Bore 1956-54 **78**

(cont.)

QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	56	VS-526	O.E. valve spring cup No. 572861; 2.2500" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	56-54	VK-115	1 groove; Square cut key groove
32	Keeper	56-54	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	56-54	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	56-54	E-245K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	56-54	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	56-54	WE-245K Std-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	56-54	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
8	Repair Sleeve	56-54	SL-20Y Std Only	1/8" wall, must be cut to correct length

5.3L 326 OHV V8 (Pontiac), 3.7188" Bore 1967-63 **79**

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-63	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
1	Timing Chain	67-63	222-350	60 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	67-63	CS-187	Hyd.
16	Lifter	67-63	HT-951 Std Only	Hyd.
16	Lifter, Bulk	67-63	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	67-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	67-63	KC-187	Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	67-63	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
16	Push Rod	67-63	RP-3164	8.6930" O.A.L.
16	Push Rod	67-63	RP-316435	8.7280" O.A.L.
16	Push Rod	67-63	RP-316460	8.7530" O.A.L.
16	Push Rod, Bulk	67-63	BRP-3164	Carton of 100; 8.6930" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	67-65	R-848	Incl. arm & ball
16	Arm	67-65	R-848A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	67-65	V-1810 Std Only	Chrome plated stem; 1.6400" Head Dia., .3410" Stem Dia., 4.9200" O.A.L.
8	Intake	67-65	V-1737 Std Only	1.9200" Head Dia., .3411" Stem Dia., 4.9420" O.A.L.
8	Intake	64-63	V-1532 Std Only	1.8820" Head Dia., .3409" Stem Dia., 4.8543" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	67-65	VS-651	Inner; 1.7600" Free Height
16	Spring	67-65	VS-665	Outer; 1.9400" Free Height
16	Spring	64-63	VS-445	Inner; 1.8120" Free Height
16	Spring	64-63	VS-446	Outer; 1.9800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	67-63	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	67-63	ST-2092	Positive type; Rubber
16	Valve Stem Seal	67-63	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	67-63	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	67-63	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	67-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	67-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	67-65	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	67-63	VK-115	1 groove; Square cut key groove
32	Keeper	67-63	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	67-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	67-63	259-301A	.060"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	67-66	287P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.711" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 9.2:1 C.R.; Use w/E265X ring set

(continued on next page)

GM Car

79 5.3L 326 OHV V8 (Pontiac), 3.7188" Bore 1967-63 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	67-66	W287P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.711" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 9.2:1 C.R.; Use w/E265X ring set	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	67-63	4040M Std-1-10-20-30	Grooved upper main brgs.	
	1	Rod Set	67-63	8-1555CPA Std-10-20-30-40		
	8	Rod Pair	67-63	1555CPA Std-1-10-20-30-40		
	1	Cam Set	67-63	1220M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	67-63	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen	
	1	Screen Assy.	67-63	224-11236	3/4" inlet tube	
	1	Screen Assy.	67-63	224-11232	5/8" inlet tube	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	67-63	381-8021		
	1	Steel Block Plug Kit	67-63	381-4028		

80 5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	69-67	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
	1	3 Piece Set	66-62	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262	
	1	Timing Chain	69-67	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Timing Chain	66-62	222-489	46 Links	
	1	Crank Sprocket	69-67	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
	1	Crank Sprocket	66-62	223-262	18 Teeth	
	1	Cam Sprocket	69-67	223-390	.405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	69-67	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	66-62	223-261	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	69-62	CS-274	w/2 Bbl. Carb.	
	1	Performance Cam	69-62	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	69-62	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	69-62	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees	
	16	Lifter	69-62	HT-817 Std Only	Hyd.	
	16	Lifter	69-62	AT-992 Std Only	Mech.	
	16	Lifter, Bulk	69-62	HT-817B Std Only	Hyd.; Carton of 128	
	16	Lifter, Bulk	69-62	AT-992B Std Only	Mech.; Carton of 128	
	1	Prelube	69-62	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	69-62	KC-274	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-62	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-62	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-62	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-67	KCT-274	w/2 Bbl. Carb.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	66-62	KCT-274A	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	69-62	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	69-62	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	69-62	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	

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5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 **80**
(cont.)

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	69-62	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	69-62	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	69-62	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	69-62	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	69-62	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	69-62	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	69-62	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	69-62	R-826A	
	16	Pivot Ball	69-62	MR-1783	
	16	Pivot Ball	69-62	MR-1822	H/D 4 groove ball
	16	Nut	69-62	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	69-62	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	69-62	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-65	V-1199 Std-3-5-15-30	w/2 Bbl. Carb.; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	69-65	V-1755 Std-15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; 1.6000" Head Dia., .3415" Stem Dia., 4.9030" O.A.L.
	8	Exhaust	69-65	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	64-62	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	64-62	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	69-65	V-1199B Std-15	w/2 Bbl. Carb.; Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	69-65	V-1755B15 15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3565" Stem Dia., 4.9030" O.A.L.
	8	Exhaust, Bulk	64-62	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Intake	69-66	V-1756 Std-15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; 2.0200" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
	8	Intake	69-66	V-1612 Std-3	w/2-4 Bbl. Carbs.; w/MFI; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake	65	V-1756 Std-15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; 2.0200" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
	8	Intake	65	V-1200 Std-3-15-30	Chevelle; w/2 Bbl. Carb.; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake	65	V-1612 Std-3	Exc. Chevelle; w/2-4 Bbl. Carbs.; w/MFI; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake	64-62	V-1200 Std-3-15-30	w/2 Bbl. Carb.; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake	64-62	V-1612 Std-3	w/2-4 Bbl. Carbs.; w/MFI; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	69-66	V-1612B Std Only	w/2-4 Bbl. Carbs.; w/MFI; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	69-66	V-1756B15 15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; Carton of 25; 2.0200" Head Dia., .3565" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	65	V-1756B15 15	w/2-4 Bbl. Carbs.; w/MFI; Chrome plated stem; Carton of 25; 2.0200" Head Dia., .3565" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	65	V-1200B Std Only	Chevelle; w/2 Bbl. Carb.; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	65	V-1612B Std Only	Exc. Chevelle; w/2-4 Bbl. Carbs.; w/MFI; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	64-62	V-1200B Std Only	w/2 Bbl. Carb.; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	64-62	V-1612B Std Only	w/2-4 Bbl. Carbs.; w/MFI; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-67	VS-677	Incl. damper; 2.0300" Free Height
	16	Spring	69-67	VS-739R	Optional-H/D; 2.0000" Free Height
	16	Spring	66-62	VS-521	Incl. damper; 2.1090" Free Height
	16	Spring, Bulk	69-67	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	69-67	VS-739RB	Optional-H/D; Carton of 300; 2.0000" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-62	MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	69-62	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	69-62	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	69-62	MV-1233	O-Ring; Carton of 100; Rubber

(continued on next page)

GM Car

80 5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62

(cont.)

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal Bulk	69-62	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	69-66	245-2125-1 Std Only	Use w/V-1612; 2.1305" OD, 1.8125" ID, .2480" Depth
VALVE TRAIN	8	Exh.	69-62	245-1562-2N Std Only	w/2 Bbl. Carb.; Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	69-62	245-1562-2 Std Only	w/2 Bbl. Carb.; 1.5675" OD, 1.3125" ID, .2480" Depth
VALVE TRAIN	8	Int.	69-62	245-2062-1 Std Only	Use w/V-1756; 2.0680" OD, 1.8125" ID, .2480" Depth
	8	Int.	65-62	245-1812-3 Std Only	Use w/V-1200; 1.8175" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	8	Int.	65-62	245-2125-1 Std Only	Use w/V-1612 & V-1756; 2.1305" OD, 1.8125" ID, .2480" Depth
	8	Int.	65-62	245-2125-1 Std Only	Use w/V-1612 & V-1756; 2.1305" OD, 1.8125" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-62	VK-115	1 groove; Square cut key groove
VALVE TRAIN	32	Keeper	69-62	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	69-62	VK-115B	1 groove; Square cut key groove; Carton of 1000
VALVE TRAIN	16	Spring Insert	69-62	259-203C	.015"; Carton of 100
	16	Spring Insert	69-62	259-203B	.030"; Carton of 100
VALVE TRAIN	16	Spring Insert	69-62	259-203BRS	.030"; Carton of 500
	16	Spring Insert	69-62	259-203A	.060"; Carton of 100
VALVE TRAIN	16	Spring Insert	69-62	259-203ARS	.060"; Carton of 500
	8	Rotocap	69-62	RC-157S	.060"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	69-62	310NP Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.654" CD, .9274" Pin Dia., Flat Head w/4 valve reliefs
BLOCK	8	Cast Piston	69-62	310P + Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.654" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.; When depleted use 310NP
	8	Cast Piston - Individual	69-62	W310P + Std-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.654" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.; When depleted use W310NP
BLOCK	8	Cast Piston - Individual	69-62	W310NP Std-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; 2-5/64", 1-3/16" Ring Groove, 1.654" CD, .9274" Pin Dia., Flat Head w/4 valve reliefs
	8	Powerforged	69	L-2165F Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.671" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	8	Powerforged	68-62	L-2165F Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.671" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	68-62	L-2166NF Std-20-30-40-60	w/2-4 Bbl. Carbs.; w/MFI; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.675" CD, .9272" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
BLOCK	8	Forged Piston - Individual	69	WL-2165F Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.671" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68-62	WL-2165F Std-20-30-40-60	w/2 Bbl. Carb.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.671" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	8	Forged Piston - Individual	68-62	WL-2166NF Std-20-30-40-60	w/2-4 Bbl. Carbs.; w/MFI; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.675" CD, .9272" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Pin	69-62	P-2208 Std-3-5-0015	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	69-62	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
BLOCK	1	Premium Set	69-62	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	69-62	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
BLOCK	1	Standard Set	69-62	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	69-62	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	8	Premium Single Cylinder Set	69-62	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	69-62	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-68	4663M Std-1-2-10-20-30-40-60	
BLOCK	1	Main Set	69-68	6688M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	69-68	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
BLOCK	1	Main Set	69-68	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set	67-62	994M Std-1-10-20-30-40	
BLOCK	1	Rod Set	69-68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings

(continued on next page)

5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 80
(cont.)

BLOCK	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	69-68	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	69-68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
	1	Rod Set	69-68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
	1	Rod Set	67-62	8-2020CP Std-1-10-20-30-40		
	1	Rod Set	69-68	8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair	69-68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair	69-68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair	67-62	2020CP Std-1-2-10-20-30-40-50		
	8	Rod Pair	69-68	2555CA60 60	Unplated & resizeable	
	1	Cam Set	69-64	1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set	69-64	1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set	69-64	1750M Std Only	2.030" housing bore	
	1	Cam Set	63-62	1145M Std Only	Babbitt material; Full round design	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69-68	224-4146A	High Pressure; 5/8" inlet	
	1	Oil Pump	69-68	224-4146	5/8" inlet	
	1	Oil Pump	69-62	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	67-64	224-4149	Chevy II; w/shallow sump oil pan	
	1	Oil Pump	67-64	224-4146A	Exc. Chevy II; High Pressure; 5/8" inlet	
	1	Oil Pump	67-64	224-4146	Exc. Chevy II; 5/8" inlet	
	1	Oil Pump	63-62	224-4146A	High Pressure; 5/8" inlet	
	1	Oil Pump	63-62	224-4146	5/8" inlet	
	1	Inter. Shaft	69-68	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	69-68	224-6146	Use w/nylon shaft guide	
	1	Inter. Shaft	67-64	224-6146E	Exc. Chevy II; Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	67-64	224-6146	Exc. Chevy II; Use w/nylon shaft guide	
	1	Inter. Shaft	63-62	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	63-62	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	69-62	224-43343	Nylon	
	1	Screen Assy.	69-68	224-1246	5/8" inlet tube	
	1	Screen Assy.	67	224-1246	Exc. Chevy II & Nova; 5/8" inlet tube	
	1	Screen Assy.	66-65	224-1246	Exc. Chevy II & Nova; 5/8" inlet tube	
	1	Screen Assy.	64	224-1146	Exc. Chevy II & Nova; 5/8" inlet	
1	Screen Assy.	63-62	224-1146	5/8" inlet		
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-62	260-1000	w/2 Bbl. Carb.	
	1	Kit Gasket Set	69-62	260-1000	w/4 Bbl. Carb.	
	1	Kit Gasket Set	69-62	260-1079	Premium Set; Performance head gskt. incl.; Performance manifold gskts. incl.; Complete set	
	1	Kit Gasket Set	65-62	260-1000	w/2-4 Bbl. Carbs.	
	2	Head Bolt Set	69-62	260-2500		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-62	381-8007		
	1	Steel Block Plug Kit	69-62	381-4011		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	69-68	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings	Re-ring		205-630	205-130
			Re-ring w/Mains		205-630M	205-130M
	69-68	w/4 Bbl. Carb.; Incl. A-Series aluminum bearings	Re-ring		205-630	205-130
			Re-ring w/Mains		205-630M	205-130M
	67-62	w/2 Bbl. Carb.	Re-ring		205-662	205-162
			Re-ring w/Mains		205-662M	205-162M
	67-62	w/4 Bbl. Carb.	Re-ring		205-662	205-162
		Re-ring w/Mains		205-662M	205-162M	
	65-62	w/2-4 Bbl. Carbs.	Re-ring		205-662	205-162
			Re-ring w/Mains		205-662M	205-162M

(continued on next page)

GM Car

80 5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 (cont.)

K I T S	OVERHAUL KIT			PREMIUM KIT NO. MKP-630A	ECONOMY KIT NO. MKP-130A	K I T S
	YEARS	DESCRIPTION				
	69-68	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master			
	69-68	w/2 Bbl. Carb.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains			
	69-68	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons			
	67	w/2 Bbl. Carb.; Exc. Chevy II; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains			
	67	w/2 Bbl. Carb.; Exc. Chevy II; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master			
	67	w/2 Bbl. Carb.; Chevy II; w/shallow sump oil pan; w/.405" tooth width sprocket	Master Master w/o Pistons Master w/o Rods & Mains			
	67	w/2 Bbl. Carb.; Exc. Chevy II; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons			
	66-64	w/2 Bbl. Carb.; Exc. Chevy II; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains			
	66-64	w/2 Bbl. Carb.; Chevy II; w/shallow sump oil pan	Master Master w/o Pistons Master w/o Rods & Mains	MKP-662E MK-662E 505-662E	MKP-162E MK-162E 505-162E	
	63-62	w/2 Bbl. Carb.; Incl. 5/8" inlet oil pump	Master Master w/o Pistons Master w/o Rods & Mains	MKP-662A MK-662A 505-662A	MKP-162A MK-162A 505-162A	

81 5.4L 330 OHV V8 (Oldsmobile), 3.9375" Bore 1967-64

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	67-64	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349	
	1	Timing Set w/Gaskets	67-64	CTS-1005		
	1	Timing Chain	67-64	222-498	48 Links	
	1	Crank Sprocket	67-64	223-349	18 Teeth	
	1	Cam Sprocket	67-64	223-348	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	67	CS-651	39 deg. cam bank angle	
	16	Lifter	67-64	HT-951 Std Only	Hyd.	
	16	Lifter, Bulk	67-64	HT-951B Std Only	Hyd.; Carton of 128	
	1	Prelube	67-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter/Timing Kit	67	KCT-651	39 deg. cam bank angle; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	67	RP-3182	Eng. Codes "W", "WE", "XE" & "XL"; .3125" dia.; 8.2800" O.A.L.	
	16	Push Rod	66-65	RP-3182	.3125" dia.; 8.2800" O.A.L.	
	16	Push Rod	64	RP-3174	To Eng. No. 034275; 8.2340" O.A.L.	
	16	Push Rod, Bulk	67	BRP-3182	Eng. Codes "W", "WE", "XE" & "XL"; .3125" dia.; Carton of 100; 8.2800" O.A.L.	
	16	Push Rod, Bulk	66-65	BRP-3182	.3125" dia.; Carton of 100; 8.2800" O.A.L.	
	16	Push Rod, Bulk	64	BRP-3174	To Eng. No. 034275; Carton of 100; 8.2340" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	67-66	R-856	Incl. 2-arms & 1-pivot assy.	
	8	Arm Assy., Bulk	67-66	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64	
	8	Arm	67-66	R-856A		
	8	Pivot	67-66	MR-1903		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	67-64	V-1770 Std Only	1.5620" Head Dia., .3422" Stem Dia., 4.7280" O.A.L.	
	8	Intake	67-64	V-1773 Std Only	1.8760" Head Dia., .3425" Stem Dia., 4.7382" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	67-64	VG-5038	.3430" ID, 2.1200" O.A.L.	
	16	Guide, Bulk	67-64	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	67-64	VS-1618R	Incl. damper; 1.9940" Free Height	

(continued on next page)

5.4L 330 OHV V8 (Oldsmobile), 3.9375" Bore 1967-64 **81**
(cont.)

VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal	67-64	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
VALVE TRAIN	16	Valve Stem Seal Bulk	67-64	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	VALVE TRAIN
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	8	Exh.	67-64	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth	VALVE TRAIN
	8	Exh.	67-64	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth	
VALVE TRAIN	8	Int.	67-64	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth	VALVE TRAIN
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	32	Keeper	67-64	VK-115	1 groove; Square cut key groove	VALVE TRAIN
	32	Keeper	67-64	VK-115R	1 groove; Square cut key groove; Hardened	
VALVE TRAIN	32	Keeper, Bulk	67-64	VK-115B	1 groove; Square cut key groove; Carton of 1000	VALVE TRAIN
	16	Spring Insert	67-64	259-303C	.015"; ID .703"; Carton of 100	
VALVE TRAIN	16	Spring Insert	67-64	259-303B	.030"; ID .703"; Carton of 100	VALVE TRAIN
	16	Spring Insert	67-64	259-303A	.060"; ID .703"; Carton of 100	
VALVE TRAIN	16	Spring Insert	67-64	259-303ARS	.060"; ID .703"; Carton of 500	VALVE TRAIN
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Standard Set	67-64	E-252X Std-30	2-5/64, 1-3/16	BLOCK
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Main Set	67-64	4281M Std-1-10-20-30-40	3.824" max. flange OD	BLOCK
	1	Rod Set	67-64	8-3045A Std-10-20-30-40	A-Series aluminum bearings	
BLOCK	1	Rod Set	67-64	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	BLOCK
	1	Rod Set	67-64	8-3045APA Std-1	Overplated alum. alloy	
BLOCK	1	Rod Set	67-64	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy	BLOCK
	8	Rod Pair	67-64	3045A Std-1-10-20-30-40	A-Series aluminum bearings	
BLOCK	8	Rod Pair	67-64	3045APA Std Only	Overplated alum. alloy	BLOCK
	1	Cam Set	67-64	1234M Std Only	Babbitt material; Full round design	
BLOCK	1	Cam Set	67-64	1789M Std Only	O.E. split type design	BLOCK
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Oil Pump	67-64	224-41203		BLOCK
	1	Oil Pump	67-64	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
BLOCK	1	Inter. Shaft	67-64	224-61203		BLOCK
	1	Screen Assy.	67-64	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
BLOCK	1	Screen Assy.	67-64	224-11203	5/8" inlet tube	BLOCK
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Kit Gasket Set	67-64	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.	BLOCK
	1	Valley Pan Gasket Set	67	260-4010	Ser. No. prefix 4W or 8W	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	67-64	381-8020		
BLOCK	1	Steel Block Plug Kit	67-64	381-4020		BLOCK

5.4L 331 OHV V8 (Cadillac), 3.8125" Bore 1955-49 **82**

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	55-49	222-499	Use w/.405" tooth width sprocket; 46 Links	
VALVE TRAIN	1	Crank Sprocket	55-49	223-256	18 Teeth	VALVE TRAIN
	1	Cam Sprocket	55-49	223-255A	36 Teeth	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	55-53	CS-256		
VALVE TRAIN	1	Prelube	55-53	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	VALVE TRAIN
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	8	Exhaust	55-53	V-1099 Std Only	1.5630" Head Dia., .3420" Stem Dia., 4.6660" O.A.L.	VALVE TRAIN
	8	Intake	55-49	V-1100 Std Only	1.7500" Head Dia., .3420" Stem Dia., 4.6450" O.A.L.	
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Guide	55	VG-503	.3450" ID, 2.2660" O.A.L.	
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Spring	55-49	VS-521	Incl. damper; 2.1090" Free Height	
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal	55-49	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
VALVE TRAIN	16	Valve Stem Seal	55-49	ST-2092	Positive type; Rubber	VALVE TRAIN
	16	Valve Stem Seal Bulk	55-49	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	32	Keeper	55-49	VK-115	1 groove; Square cut key groove	

(continued on next page)

GM Car

82 5.4L 331 OHV V8 (Cadillac), 3.8125" Bore 1955-49 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
32	Keeper	55-49	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	55-49	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	55-49	SL-93M Std Only	3/32" wall, must be cut to correct length

83 5.6L 340 OHV V8 (Buick), 3.75" Bore 1967-66

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-66	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
1	Timing Chain	67-66	222-359	54 Links
1	Crank Sprocket	67-66	223-323	20 Teeth
1	Cam Sprocket	67-66	223-334	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	67-66	HT-896 Std Only	Hyd.
16	Lifter, Bulk	67-66	HT-896B Std Only	Hyd.; Carton of 126
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	67-66	RP-3202	9.3550" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm	67-66	R-1051	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	67-66	V-1744 Std Only	1.3750" Head Dia., .3401" Stem Dia., 4.5430" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	67-66	VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide	67-66	VG-5005	Int.; Plain; .3430" ID, 2.2500" O.A.L.
8	Guide	67-66	VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
8	Guide, Bulk	67-66	VG-5005B	Int.; Plain; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk	67-66	VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	67-66	VS-644	2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	67-66	ST-2001	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal Bulk	67-66	ST-2001BC	Not to be used on valves w/undercut stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	67-66	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
8	Exh.	67-66	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
8	Int.	67-66	245-1875-6 Std Only	1.8800" OD, 1.6250" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	67-66	VK-194	
16	Spring Insert	67-66	259-201B	.030"; Carton of 100
16	Spring Insert	67-66	259-201A	.060"; Carton of 100
16	Spring Insert	67-66	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	67	279P Std-20-30-40-60	Eng. Codes "NA"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
8	Cast Piston	66	279P Std-20-30-40-60	Eng. Code "MA"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	67	W279P Std-20-30-40-60	Eng. Code "NA"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	66	W279P Std-20-30-40-60	Eng. Code "MA"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	67-66	E-240K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	67-66	E-240X Std-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	67-66	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	67-66	WE-240X Std-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	67-66	4418M Std-10-20-30	
1	Rod Set	67-66	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings
8	Rod Pair	67-66	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set	67	1421M Std Only	

(continued on next page)

5.6L 340 OHV V8 (Buick), 3.75" Bore 1967-66 83
 (cont.)

B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Cam Set	66	1269M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	67-66	224-51382	Gear type High Volume; Installation may require timing cover removal Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
	1	Pump Repair Kit	67-66	224-518	
	1	Pump Repair Kit	67-66	224-518V	
	1	Pump Repair Kit	67-66	224-518TP	
B L O C K	QTY	CONNECTING ROD	YEARS	PART NO.	DESCRIPTION
	8	Rod	67-66	R14AJ	Forging No. 561; O.E. Nos. 1240016 & 1374562
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	67-66	381-8002	

5.7L 347 OHV V8 (Pontiac), 3.9375" Bore 1957 84

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	57	CS-187	w/M/T
	16	Lifter	57	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	57	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	57	KC-187	w/M/T; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	57	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
	16	Push Rod	57	RP-3028	9.1360" O.A.L.
V A L V E T R A I N	16	Push Rod, Bulk	57	BRP-3028	Carton of 100; 9.1360" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	57	R-848	Incl. arm & ball
	16	Arm	57	R-848A	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	8	Guide	57	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	8	Guide	57	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.
	8	Guide	57	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.
	8	Guide	57	VG-5075T	Int.; Threaded; .3440" ID, 2.8750" O.A.L.
	8	Guide, Bulk	57	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.
V A L V E T R A I N	8	Guide, Bulk	57	VG-5075TB	Int.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	57	VS-445	Inner; 1.8120" Free Height
	16	Spring	57	VS-446	Outer; 1.9800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	16	Valve Stem Seal	57	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	57	MV-1233	O-Ring; Carton of 100; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	57	VK-115	1 groove; Square cut key groove
	32	Keeper	57	VK-115R	1 groove; Square cut key groove; Hardened
V A L V E T R A I N	32	Keeper, Bulk	57	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	57	E-252X Std-30	2-5/64, 1-3/16
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	57	224-61236	

5.7L 348 OHV V8 (Chevrolet), 4.125" Bore 1961-58 85

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	61-58	222-494	48 Links
	1	Crank Sprocket	61-58	223-262	18 Teeth
	1	Cam Sprocket	61-58	223-261	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Camshaft	61-58	CS-171	Use w/Hyd. lifters
	16	Lifter	61-58	HT-817 Std Only	Hyd.
	16	Lifter	61-58	AT-992 Std Only	Mech.
	16	Lifter, Bulk	61-58	HT-817B Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk	61-58	AT-992B Std Only	Mech.; Carton of 128
B L O C K	1	Prelube	61-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	61-58	RP-3028	Exh.; 9.1360" O.A.L.

(continued on next page)

GM Car

85 5.7L 348 OHV V8 (Chevrolet), 4.125" Bore 1961-58

(cont.)

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	61-58	RP-3102	Int.; 8.7780" O.A.L.
	8	Push Rod, Bulk	61-58	BRP-3028	Exh.; Carton of 100; 9.1360" O.A.L.
	8	Push Rod, Bulk	61-58	BRP-3102	Int.; Carton of 25; 8.7780" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	61-58	R-827	Incl. arm, ball & nut
VALVE TRAIN	16	Stud	61-58	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	61-58	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	61-58	VG-5033	Exh.; .3735" ID, 2.6200" O.A.L.
	8	Guide	61-58	VG-5062	Int.; Plain; .3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Spring	61-58	VS-522	Incl. damper; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	61-58	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	61-58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	61-58	VK-138	1 groove; Square cut key groove
BLOCK	32	Keeper	61-58	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	61-58	VK-138B	1 groove; Square cut key groove; Carton of 1000
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	61-58	E-243K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	61-58	E-243X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	61-58	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	8	Standard Single Cylinder Set	61-58	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	61-58	4036M Std-10-20	
	1	Rod Set	61-58	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	8	Rod Pair	61-58	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Cam Set	61-58	1177M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	61-58	224-4146A	High Pressure; 5/8" inlet
	1	Oil Pump	61-58	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
	1	Oil Pump	61-58	224-4146	5/8" inlet
	1	Screen Assy.	61-58	224-1146	5/8" inlet
	1	Tool	61-58	MT-J21882	Pump screen installation tool for 5/8" tube

86 5.7L 350 OHV V8 (Buick), 3.8" Bore 1981-68

VIN Codes "B" 1981, "H" 1972-77, "J" 1972-77, "K" 1972, "X" 1978-80

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	80-68	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
	1	Timing Chain	81-68	222-359	54 Links
	1	Crank Sprocket	81-68	223-323	20 Teeth
	1	Cam Sprocket	81-68	223-334	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	1	Camshaft	80	CS-676	
	1	Camshaft	79-78	CS-707	VIN Code "B"
	1	Camshaft	79-78	CS-676	VIN Code "X"
	1	Camshaft	77-76	CS-676	
	1	Camshaft	75	CS-647	
	1	Camshaft	74	CS-647	Exc. Calif. Emis.
VALVE TRAIN	1	Camshaft	73-68	CS-647	
	16	Lifter	80-70	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	16	Lifter	80-70	HT-969R Std Only	Speed-Pro Hi-Revolution Hyd.
	16	Lifter	79-78	HT-951 Std Only	VIN Code "B"; Hyd.
	16	Lifter	69-68	HT-969 Std Only	Use w/hollow push rods; Hyd.; w/.440" wide oil groove
	16	Lifter	69-68	HT-896 Std Only	Use w/solid push rods; Hyd.
VALVE TRAIN	16	Lifter, Bulk	80-70	HT-969B Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk	80-70	HT-969RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	16	Lifter, Bulk	79-78	HT-951B Std Only	VIN Code "B"; Hyd.; Carton of 128
	16	Lifter, Bulk	69-68	HT-969B Std Only	Use w/hollow push rods; Hyd.; Carton of 128
	16	Lifter, Bulk	69-68	HT-896B Std Only	Use w/solid push rods; Hyd.; Carton of 126
	1	Prelube	80-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	80	KC-676	Hyd.; Incl. (1) CS-676, (16) HT-969, (1) 55-403B

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5.7L 350 OHV V8 (Buick), 3.8" Bore 1981-68 **86**

VIN Codes "B" 1981, "H" 1972-77, "J" 1972-77, "K" 1972, "X" 1978-80 (cont.)

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-78	KC-707	VIN Code "B"; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter Kit	79-78	KC-676	VIN Code "X"; Hyd.; Incl. (1) CS-676, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	77-76	KC-676	Hyd.; Incl. (1) CS-676, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	75	KC-647	Hyd.; Incl. (1) CS-647, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	74	KC-647	Exc. Calif. Emis.; Hyd.; Incl. (1) CS-647, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	73-70	KC-647	Hyd.; Incl. (1) CS-647, (16) HT-969, (1) 55-403B
	1	Cam/Lifter Kit	69-68	KC-647	Use w/hollow push rods; Hyd.; Incl. (1) CS-647, (16) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	75	KCT-647	Hyd.; Incl. (1) CS-647, (16) HT-969, (1) KT3-359S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74	KCT-647	Exc. Calif. Emis.; Hyd.; Incl. (1) CS-647, (16) HT-969, (1) KT3-359S, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter/Timing Kit	73-70	KCT-647	Hyd.; Incl. (1) CS-647, (16) HT-969, (1) KT3-359S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69-68	KCT-647	Use w/hollow push rods; Hyd.; Incl. (1) CS-647, (16) HT-969, (1) KT3-359S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	80-70	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	16	Push Rod	80-70	RP-3180	9.6800" O.A.L.
	16	Push Rod, Bulk	80-70	BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	80-70	R-870	L.H.; Incl. arm & retainer; Stamped steel
	8	Arm	80-70	R-870W	L.H.; Stamped steel
	8	Arm	69-68	R-857	Exh. 2-3-6-7
VALVE TRAIN	8	Arm	69-68	R-857	Int. 1-4-5-8
	1	Shaft Assy.	80-70	RA-1072	For 1 complete Eng.
	16	Retainer	80-68	MR-1829	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	80-68	VG-5073	Exh.; .3745" ID, 2.3750" O.A.L.
	8	Guide	80-68	VG-5062	Int.; Plain; .3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	80-75	VS-711	Int.; 2.1000" Free Height
	16	Spring	74-72	VS-711	Exh. & Int.; 2.1000" Free Height
	8	Spring	71	VS-711	Int.; 2.1000" Free Height
VALVE TRAIN	16	Spring	70-68	VS-711	Exh. & Int.; 2.1000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	80-68	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	80-68	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	80-68	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	8	Exh.	80-68	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	8	Int.	80-68	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	80-68	VK-97	.030"; Carton of 100
BLOCK	16	Spring Insert	80-68	259-201B	.060"; Carton of 100
	16	Spring Insert	80-68	259-201A	.060"; Carton of 500
	16	Spring Insert	80-68	259-201ARS	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	80-78	657P30 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia.
	8	Cast Piston	77-72	657P30 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia.
	8	Cast Piston	71-68	340P30 30-40	High comp.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .085" deep x 3.050" dia. - 10.0:1 C.R.
	8	Cast Piston - Individual	71-68	W340P30 30-40	High comp.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .085" deep x 3.050" dia. - 10.0:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	80-68	E-288K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	1	Premium Set	80-68	E-288KC20 20-40	2-5/64, 1-3/16
	1	Standard Set	80-68	E-288X Std-20-30-40-60	2-5/64, 1-3/16
	1	Premium Single Cylinder Set	80-68	WE-288K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	80-68	WE-288X Std-20-30-40-60	2-5/64, 1-3/16

(continued on next page)

GM Car

86 5.7L 350 OHV V8 (Buick), 3.8" Bore 1981-68
 (cont.) VIN Codes "B" 1981, "H" 1972-77, "J" 1972-77, "K" 1972, "X" 1978-80

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Main Set	80-68	4418M	Std-10-20-30		
	1	Rod Set	80-68	8-2500RAA	Std-10-20-30-40		A-Series aluminum bearings
	8	Rod Pair	80-68	2500RAA	Std-1-2-10-20-30-40		A-Series aluminum bearings
	1	Cam Set	80-68	1422M	Std Only		w/oil hole
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Pump Repair Kit	80-75	224-51382			
	1	Pump Repair Kit	80-68	224-518	Gear type		
	1	Pump Repair Kit	80-68	224-518V	High Volume; Installation may require timing cover removal		
	1	Pump Repair Kit	80-68	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions		
1	Screen Assy.	80-69	224-14242				
QTY	CONNECTING ROD	YEARS	PART NO.	DESCRIPTION			
8	Rod	73-68	R14AJ	Forging No. 561; O.E. Nos. 1240016 & 1374562			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	81-68	260-1012	Int. manifold gskt. not incl.; Premium valve stem seals incl.			
1	Valley Pan Gasket Set	81-68	260-4012				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	80-68	381-8002				
KITS	RE-RING KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	80-72	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-634 205-634M	205-134 205-134M	
	71-68	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-634 205-634M	205-134 205-134M	
	OVERHAUL KIT						
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.	
	80	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634C MK-634C	MKP-134C MK-134C	
	80	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634C	505-134C	
	79-78	VIN Code "X"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634C MK-634C	MKP-134C MK-134C	
	79-78	VIN Code "X"; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634C	505-134C	
	77-76	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634C MK-634C	MKP-134C MK-134C	
	77-76	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634C	505-134C	
	75	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634A MK-634A	MKP-134A MK-134A	
	75	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634A	505-134A	
	74	Exc. Calif. Emis.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634A MK-634A	MKP-134A MK-134A	
	74	Exc. Calif. Emis.; Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634A	505-134A	
	73-72	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master Master w/o Pistons	MKP-634A MK-634A	MKP-134A MK-134A	
	73-72	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Rods & Mains	505-634A	505-134A	
	71-70	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Pistons	MK-634A	MK-134A	
	69-68	Int. manifold gskt. not incl.; Use w/hollow push rods; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Gear type oil pump kit incl.		Master w/o Pistons	MK-634A	MK-134A	

5.7L 350 OHV V8 (Pontiac), 3.875" Bore 1977-68 **87**

VIN Codes "A" 1974, "B" 1974, "E" 1975, "K" 1974-75, "M" 1972-76, "N" 1972-75, "P" 1976-77, "V" 1976

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	77-68	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
1	Timing Chain	77-68	222-350	60 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	77	CS-690	
1	Camshaft	76	CS-641	VIN Code "M"
1	Camshaft	76	CS-690	VIN Code "P"
1	Camshaft	75-71	CS-641	
1	Camshaft	70-68	CS-641	Eng. Codes "WN" & "WR"
1	Camshaft	69	CS-641	Eng. Codes "WV", "WZ" & "WU"
1	Camshaft	68	CS-641	Eng. Codes "WD", "WK", "XC", "YM" & "YP"
16	Lifter	77-68	HT-951 Std Only	Hyd.
16	Lifter, Bulk	77-68	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	77-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	77	KC-690C	Hyd.; Incl. (1) CS-690, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	76	KC-641	VIN Code "M"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	76	KC-690C	VIN Code "P"; Hyd.; Incl. (1) CS-690, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	75-71	KC-641	Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	70-68	KC-641	Eng. Codes "WN" & "WR"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	69	KC-641	Eng. Codes "WV", "WZ" & "WU"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	68	KC-641	Eng. Codes "WD", "WK", "XC", "YM" & "YP"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter/Timing Kit	76	KCT-641	VIN Code "M"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75-71	KCT-641	Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	70-68	KCT-641	Eng. Codes "WN" & "WR"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	69	KCT-641	Eng. Codes "WV", "WZ" & "WU"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	68	KCT-641	Eng. Codes "WD", "WK", "XC", "YM" & "YP"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	77-68	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	77-68	RP-3028	9.1360" O.A.L.
16	Push Rod, Bulk	77-68	BRP-3028	Carton of 100; 9.1360" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	77-71	R-1032	Incl. arm, ball & nut
16	Arm Assy.	70-68	R-850	w/HO; Incl. arm & ball
16	Arm Assy.	70-68	R-1032	Exc. HO; Incl. arm, ball & nut
16	Arm Assy., Bulk	77-71	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	70-68	R-1032B	Exc. HO; Incl. arm, ball & nut; Carton of 64
16	Arm	77-71	R-849A	
16	Arm	70-68	R-849A	Exc. HO
16	Pivot Ball	70-68	MR-1810	w/HO
16	Retainer	77-68	MR-1829	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	77-74	V-1963 Std Only	Chrome plated stem; 1.6610" Head Dia., .3410" Stem Dia., 4.9610" O.A.L.
8	Exhaust	73	V-1902 Std Only	Eng. Codes "YJ" & "YW"; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	73	V-1963 Std Only	Exc. Eng. Code "YJ"; Chrome plated stem; 1.6610" Head Dia., .3410" Stem Dia., 4.9610" O.A.L.
8	Exhaust	72-71	V-1832 Std Only	Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	70	V-1832 Std Only	Eng. Codes "W7", "WU", "X7", "XR", "YN" & "YU"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	70-69	V-3923 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.
8	Exhaust	69	V-1832 Std Only	Eng. Codes "WC", "WM", "WP", "WU", "XB", "XL", "XR", "XS", "XV", "YE", "YJ", "YN" & "YU"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	69	V-3923 Std Only	Eng. Codes "WV", "WZ" & "WU"; Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.

(continued on next page)

GM Car

87 5.7L 350 OHV V8 (Pontiac), 3.875" Bore 1977-68

(cont.) VIN Codes "A" 1974, "B" 1974, "E" 1975, "K" 1974-75, "M" 1972-76, "N" 1972-75, "P" 1976-77, "V" 1976

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust	68	V-1832 Std Only	Eng. Codes "WC", "WP", "YJ" & "YN"; w/M/T; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	68	V-1823 Std Only	Eng. Codes "WD", "WK", "XC", "YM" & "YP"; 1.6600" Head Dia., .3410" Stem Dia., 5.0820" O.A.L.
8	Intake	77-75	V-1903 Std Only	Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
8	Intake	74-71	V-1964 Std Only	Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 4.9800" O.A.L.
8	Intake	70-69	V-1826 Std Only	Eng. Codes "WN" & "WR"; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
8	Intake	69	V-1826 Std Only	Eng. Codes "WV", "WZ" & "WU"; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
8	Intake	68	V-1824 Std Only	w/M/T; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 5.0890" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	77-70	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
8	Guide	77-68	VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.
8	Guide	69	VG-5038	Int.; Eng. Codes "WC", "WM", "WP", "WU", "XB", "XL", "XR", "XS", "XV", "YE", "YJ", "YN" & "YU"; .3430" ID, 2.1200" O.A.L.
8	Guide	68	VG-5038	Int.; Eng. Codes "WC", "WP", "YJ" & "YN"; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	77-70	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	69	VG-5038B	Int.; Eng. Codes "WC", "WM", "WP", "WU", "XB", "XL", "XR", "XS", "XV", "YE", "YJ", "YN" & "YU"; Carton of 50; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	68	VG-5038B	Int.; Eng. Codes "WC", "WP", "YJ" & "YN"; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	77-71	VS-651	Inner; 1.7600" Free Height
16	Spring	77-71	VS-1660R	Outer; Hi-Perf.; 1.9400" Free Height
16	Spring	77-71	VS-665	Outer; 1.9400" Free Height
16	Spring	70	VS-651	Inner; w/2 Bbl. Carb.; HO; 1.7600" Free Height
16	Spring	70	VS-1433	Inner; Eng. Codes "WN" & "WR"; 1.9350" Free Height
16	Spring	70	VS-665	Outer; 1.9400" Free Height
16	Spring	69	VS-651	Inner; Eng. Codes "WC", "WM", "WP", "WU", "XB", "XL", "XR", "XS", "XV", "YE", "YJ", "YN" & "YU"; 1.7600" Free Height
16	Spring	69-68	VS-665	Outer; 1.9400" Free Height
16	Spring	68	VS-651	Inner; Eng. Codes "WC", "WP", "YJ" & "YN"; 1.7600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	77-68	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	77-68	ST-2092	Positive type; Rubber
16	Valve Stem Seal	77-68	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	77-68	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	77-68	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Int.	77-76	245-2125-2 Std Only	VIN Code "P"; 2.1305" OD, 1.8750" ID, .2480" Depth
8	Exh.	77-74	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	77-74	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	75	245-2125-2 Std Only	VIN Codes "E" & "K"; 2.1305" OD, 1.8750" ID, .2480" Depth
8	Int.	74-71	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
8	Exh.	73-69	245-1750-2N Std Only	Use w/V-1832 & V-1963; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	73-69	245-1750-2 Std Only	Use w/V-1832 & V-1963; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	73-69	245-1812-1N Std Only	Use w/V-1902 & V-3923; Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
8	Exh.	73-69	245-1812-1 Std Only	Use w/V-1902 & V-3923; 1.8175" OD, 1.5625" ID, .2480" Depth
8	Int.	70-69	245-2125-2 Std Only	Eng. Codes "WN" & "WR"; 2.1305" OD, 1.8750" ID, .2480" Depth
8	Int.	69	245-2125-1 Std Only	Eng. Codes "WC", "WM", "WP", "WU", "XB", "XL", "XR", "XS", "XV", "YE", "YJ", "YN" & "YU"; 2.1305" OD, 1.8125" ID, .2480" Depth
8	Exh.	68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth

(continued on next page)

5.7L 350 OHV V8 (Pontiac), 3.875" Bore 1977-68 87

VIN Codes "A" 1974, "B" 1974, "E" 1975, "K" 1974-75, "M" 1972-76, "N" 1972-75, "P" 1976-77, "V" 1976 (cont.)

QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION		
8	Int.	68	245-2125-1 Std Only	Eng. Codes "WC", "WP", "YJ" & "YN"; 2.1305" OD, 1.8125" ID, .2480" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	77-68	VK-115	1 groove; Square cut key groove		
32	Keeper	77-68	VK-115R	1 groove; Square cut key groove; Hardened		
32	Keeper, Bulk	77-68	VK-115B	1 groove; Square cut key groove; Carton of 1000		
16	Spring Insert	77-68	259-203B	.030"; Carton of 100		
16	Spring Insert	77-68	259-203BRS	.030"; Carton of 500		
16	Spring Insert	77-68	259-203A	.060"; Carton of 100		
16	Spring Insert	77-68	259-203ARS	.060"; Carton of 500		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
8	Cast Piston	77-68	357P20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9805" Pin Dia., Flat Head w/4 valve reliefs - 7.8:1 C.R.		
8	Cast Piston - Individual	77-68	W357P20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9805" Pin Dia., Flat Head w/4 valve reliefs - 7.8:1 C.R.		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	77-68	E-245K Std-20-30-40-60	2-5/64, 1-3/16		
1	Standard Set	77-68	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16		
8	Premium Single Cylinder Set	77-68	WE-245K Std-30-40-60	2-5/64, 1-3/16		
8	Standard Single Cylinder Set	77-68	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	77-68	4040M Std-1-10-20-30	Grooved upper main brgs.		
1	Rod Set	77-68	8-1555CPA Std-10-20-30-40			
8	Rod Pair	77-68	1555CPA Std-1-10-20-30-40			
1	Cam Set	77-68	1220M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	77-75	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen		
1	Oil Pump	74-72	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen		
1	Oil Pump	71	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen		
1	Oil Pump	70-68	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen		
1	Inter. Shaft	77-75	224-61236			
1	Inter. Shaft	74-71	224-61236			
1	Inter. Shaft	70-68	224-61236			
1	Screen Assy.	77-72	224-11232	Use w/O.E. pump; 5/8" inlet tube		
1	Screen Assy.	77-68	224-11232	Use w/224-43364S; 3/4" inlet tube		
1	Screen Assy.	71	224-11232	Use w/O.E. pump; 5/8" inlet tube		
1	Screen Assy.	70	224-11232	Use w/O.E. pump; 5/8" inlet tube		
1	Screen Assy.	69	224-11232	Use w/O.E. pump; 5/8" inlet tube		
1	Screen Assy.	68	224-11232	Use w/O.E. pump; 5/8" inlet tube		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	77-68	260-1025			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	77-68	381-8021			
1	Steel Block Plug Kit	77-68	381-4028			
RE-RING KIT						
YEARS	DESCRIPTION				PREMIUM KIT NO.	ECONOMY KIT NO.
77	Re-ring				205-621	205-121
76-75	Re-ring				205-621	205-121
74-68	Re-ring				205-621	205-121
OVERHAUL KIT						
YEARS	DESCRIPTION				PREMIUM KIT NO.	ECONOMY KIT NO.
77	Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621E MK-621E	MKP-121E MK-121E
76	Exc. VIN Code "P"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621D MK-621D	MKP-121D MK-121D
76	VIN Code "P"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621E MK-621E	MKP-121E MK-121E
75-71	Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621D MK-621D	MKP-121D MK-121D
70-68	Eng. Codes "WN & "WR"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621D MK-621D	MKP-121D MK-121D
69	Eng. Codes "WV", "WZ" & "WU"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.			Master Master w/o Pistons	MKP-621D MK-621D	MKP-121D MK-121D

(continued on next page)

GM Car

87 5.7L 350 OHV V8 (Pontiac), 3.875" Bore 1977-68
(cont.) VIN Codes "A" 1974, "B" 1974, "E" 1975, "K" 1974-75, "M" 1972-76, "N" 1972-75, "P" 1976-77, "V" 1976

OVERHAUL KIT (cont.)		PREMIUM	ECONOMY
YEARS	DESCRIPTION	KIT NO.	KIT NO.
68	Eng. Codes "WD", "WK", "XC", "YM" & "YP"; Incl. High Master Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. Master w/o Pistons grooved upper main brgs.	MKP-621D MK-621D	MKP-121D MK-121D

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67
VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-89	KT3-499SA5	VIN Code "7"; Incl. hardened cam sprocket; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-732T, (1) 223-797
1	3 Piece Set	90-87	KT3-499SA3	Incl. hardened cam sprocket; Incl. (1) 222-499, (1) 223-391, (1) 223-732T
1	3 Piece Set	86-67	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Set w/Gaskets	90-87	CTS-1006	Incl. hardened cam sprocket; Oil pan gskt. not incl.
1	Timing Set w/Gaskets	74-67	CTS-1001	w/.405" tooth width sprocket
1	Timing Chain	90-67	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	90-89	223-797	VIN Code "7"; 18 Teeth
1	Crank Sprocket	90-67	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	90-87	223-732T	Hardened; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	86-67	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	86-67	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-808	VIN Codes "7" & "8"; w/r/r. lifters
1	Camshaft	89-87	CS-274	Exc. VIN Code "8"
1	Camshaft	89-87	CS-808	VIN Code "8"; w/r/r. lifters
1	Camshaft	86-82	CS-274	Exc. VIN Code "8"
1	Camshaft	86-82	CS-766	VIN Code "8"; w/flat lifters
1	Camshaft	81-73	CS-274	Exc. Corvette
1	Camshaft	72	CS-274	Exc. Corvette; Exc. Calif. Emis.
1	Camshaft	71-69	CS-274	Exc. Corvette
1	Camshaft	68-67	CS-274	
1	Performance Cam	80-73	CS-1095R	Corvette; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 224 Int., 224 Exh.; Valve lift .4500" Int., .4600" Exh.; Lobe Separation 114 Degrees
1	Performance Cam	80-67	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-67	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-67	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-67	CS-1582R	Pro-5000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 234 Int., 244 Exh.; Valve lift .4880" Int., .5080" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	72	CS-1145R	Corvette; Pro-4000 Perf. Cam; Use w/Mech. lifters; Mech.; Duration at .050: 242 Int., 254 Exh.; Valve lift .4600" Int., .4850" Exh.; Lobe Separation 116 Degrees
1	Performance Cam	71-69	CS-1095R	Corvette; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 224 Int., 224 Exh.; Valve lift .4500" Int., .4600" Exh.; Lobe Separation 114 Degrees
1	Performance Cam	71-69	CS-1145R	Corvette; Pro-4000 Perf. Cam; Use w/Mech. lifters; Mech.; Duration at .050: 242 Int., 254 Exh.; Valve lift .4600" Int., .4850" Exh.; Lobe Separation 116 Degrees
16	Lifter	90	HT-817 Std Only	Exc. VIN Codes "7" & "8"; Hyd.
16	Lifter	90	HT-2148 Std Only	VIN Codes "7" & "8"; Hyd. rlr.
16	Lifter	89-87	HT-817 Std Only	Exc. VIN Code "8"; Hyd.
16	Lifter	89-87	HT-2148 Std Only	VIN Code "8"; Hyd. rlr.
16	Lifter	86-73	HT-817 Std Only	Hyd.
16	Lifter	86-73	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter	72-69	HT-817 Std Only	Corvette; Exc. Spec. Hi-Perf.; Hyd.
16	Lifter	72-69	AT-992 Std Only	Corvette; Mech.
16	Lifter	72-69	HT-817 Std Only	Exc. Corvette; Hyd.
16	Lifter	72-67	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter	68-67	HT-817 Std Only	Hyd.

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.) 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
16	Lifter, Bulk	90	HT-817B	Std Only	Exc. VIN Codes "7" & "8"; Hyd.; Carton of 128
16	Lifter, Bulk	90	HT-2148B	Std Only	VIN Codes "7" & "8"; Hyd. rlr.; Carton of 128
16	Lifter, Bulk	89-87	HT-817B	Std Only	Exc. VIN Code "8"; Hyd.; Carton of 128
16	Lifter, Bulk	89-87	HT-2148B	Std Only	VIN Code "8"; Hyd. rlr.; Carton of 128
16	Lifter, Bulk	86-73	HT-817B	Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	86-73	HT-817RB	Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
16	Lifter, Bulk	72-69	AT-992B	Std Only	Corvette; Mech.; Carton of 128
16	Lifter, Bulk	72-69	HT-817B	Std Only	Exc. Corvette; Hyd.; Carton of 128
16	Lifter, Bulk	72-69	HT-817RB	Std Only	Exc. Corvette; Speed-Pro Hi-Revolution Hyd.; Carton of 128
16	Lifter, Bulk	68-67	HT-817B	Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	68-67	HT-817RB	Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	90-67	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	90	KC-808		VIN Codes "7" & "8"; w/rlr. lifters; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	89-87	KC-808		VIN Code "8"; w/rlr. lifters; Hyd. rlr.; Incl. (1) CS-808, (16) HT-2148, (1) 55-403B
1	Cam/Lifter Kit	89-82	KC-274		Exc. VIN Code "8"; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	86-82	KC-766		VIN Code "8"; w/flat lifters; Hyd.; Incl. (1) CS-766, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	81-80	KC-274		Exc. Corvette; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-73	KC-1095R		Corvette; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 224 Int., 224 Exh.; Incl. (1) CS-1095R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-73	KC-1103R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-73	KC-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-73	KC-1106R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	79-73	KC-274		Exc. Corvette; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72	KC-1145R		Corvette; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 254 Exh.; Incl. (16) AT-992, (1) CS-1145R, (1) 55-403B
1	Cam/Lifter Kit	72	KC-274		Exc. Corvette; Exc. Calif. Emis.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-1103R		Corvette; Exc. Spec. Hi-Perf.; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-1014R		Corvette; Exc. Spec. Hi-Perf.; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-1106R		Corvette; Exc. Spec. Hi-Perf.; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-1103R		Exc. Corvette; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-1014R		Exc. Corvette; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B

(continued on next page)

GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	72-69	KC-1106R	Exc. Corvette; Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-1095R	Corvette; Exc. Spec. Hi-Perf.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 224 Int., 224 Exh.; Incl. (1) CS-1095R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-1145R	Corvette; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 254 Exh.; Incl. (16) AT-992, (1) CS-1145R, (1) 55-403B
1	Cam/Lifter Kit	71-69	KC-274	Exc. Corvette; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-67	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-67	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-67	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-67	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	89-87	KCT-274E	Exc. VIN Code "8"; Incl. hardened cam sprocket; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-499SA3, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-82	KCT-274	Exc. VIN Code "8"; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-82	KCT-766A	VIN Code "8"; w/flat lifters; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-766, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	81-80	KCT-274	Exc. Corvette; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-73	KCT-274	Exc. Corvette; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	72	KCT-274	Exc. Corvette; Exc. Calif. Emis.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	71-69	KCT-274	Exc. Corvette; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	68-67	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-87	RP-3262	7.1920" O.A.L.
16	Push Rod	86-67	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	86-67	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	86-67	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	86-67	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	86-67	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	90-87	BRP-3262	Carton of 100; 7.1920" O.A.L.
16	Push Rod, Bulk	86-67	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	86-67	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	86-67	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
8	Push Rod Guide Plate	90-67	MR-1930	Speed-Pro flat guide plate for 3/8" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-67	MR-1896	Speed-Pro flat guide plate for 5/16" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-67	MR-1892	Speed-Pro stepped guide plate for 3/8" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-67	MR-1891	Speed-Pro stepped guide plate for 5/16" dia. push rods; Requires screw-in studs
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	90	R-973	VIN Code "7"; Incl. arm, ball & nut
16	Arm Assy.	89-85	R-973	VIN Code "7"; Incl. arm, ball & nut
16	Arm Assy.	84-67	R-826	Incl. arm, ball & nut
16	Arm Assy.	84-67	R-865R	Speed-Pro 1.5 ratio stamped steel, long slot; Incl. H/D 4 groove ball & nut
16	Arm Assy.	84-67	R-1024R	Speed-Pro 1.5 ratio stamped steel, rlr. tip, long slot; Incl. H/D 4 groove ball & nut

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92 (cont.)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	84-67	R-952R	Speed-Pro 1.6 ratio stamped steel, long slot; Incl. H/D 4 groove ball & nut
16	Arm Assy.	84-67	R-1025R	Speed-Pro 1.6 ratio stamped steel, rlr. tip, long slot; Incl. H/D 4 groove ball & nut
16	Arm Assy., Bulk	90	R-973B	VIN Code "7"; Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	89-85	R-973B	VIN Code "7"; Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	84-67	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	84-67	R-865RB	Speed-Pro 1.5 ratio stamped steel, long slot; Incl. ball & nut; Carton of 64
16	Arm	90	R-973A	VIN Code "7"
16	Arm	90-85	R-1022R	Speed-Pro 1.5 ratio stamped steel, long slot; Fits Eng. w/center bolt valve covers
16	Arm	90-85	R-1023R	Speed-Pro 1.6 ratio, stamped steel, long slot; Fits Eng. w/center bolt valve covers
16	Arm	89-85	R-973A	VIN Code "7"
16	Arm	84-67	R-826A	
16	Pivot Ball	90-67	MR-1783	
16	Pivot Ball	90-67	MR-1822	H/D 4 groove ball
16	Nut	90-67	MR-1751	Self-locking, 3/8" x 24 threads
16	Stud	90-67	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud	90-67	MR-1865RS	Speed-Pro 3/8" dia. Perf. screw-in stud; requires head machining
16	Stud	90-67	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90	V-1904 Std-3-15-30	VIN Code "7"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	90-78	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	89-78	V-1904 Std-3-15-30	VIN Code "7"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	77-71	V-4231 Std Only	Corvette; Chrome plated stem; Swirl Polish; 1.6000" Head Dia., .3407" Stem Dia., 4.9000" O.A.L.
8	Exhaust	77-71	V-1888X Std-15	Exc. Corvette; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	77-71	V-1904 Std-3-15-30	Exc. Corvette; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	77-69	V-1755 Std-15	Corvette; Chrome plated stem; 1.6000" Head Dia., .3415" Stem Dia., 4.9030" O.A.L.
8	Exhaust	70-69	V-4231 Std Only	Corvette; Chrome plated stem; Swirl Polish; 1.6000" Head Dia., .3407" Stem Dia., 4.9000" O.A.L.
8	Exhaust	70-69	V-1888X Std-15	Exc. Corvette; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	70-69	V-1199 Std-3-5-15-30	Exc. Corvette; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust	68-67	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	68-67	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	90	V-1904B Std-15	VIN Code "7"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	89-78	V-1904B Std-15	VIN Code "7"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	77-71	V-1904B Std-15	Exc. Corvette; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	77-69	V-1755B15 15	Corvette; Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3565" Stem Dia., 4.9030" O.A.L.
8	Exhaust, Bulk	70-69	V-1199B Std-15	Exc. Corvette; Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	68-67	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake	90-78	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	77-69	V-1756 Std-15	Corvette; Chrome plated stem; 2.0200" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
8	Intake	77-67	V-1926 Std-3-15	Exc. Corvette; Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	68-67	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	90-78	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	77-69	V-1756B15 15	Corvette; Chrome plated stem; Carton of 25; 2.0200" Head Dia., .3565" Stem Dia., 4.8800" O.A.L.

(continued on next page)

GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67
 (cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Intake, Bulk	77-67	V-1926B Std-15	Exc. Corvette; Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	68-67	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-85	VG-1375	Exh.; Use w/replaceable exh. valve guide; Caution when removing guide w/stepped OD; .3740" ID, 2.2000" O.A.L.
8	Guide	90-67	VG-5005	Exh.; w/Cast iron head; .3430" ID, 2.2500" O.A.L.
8	Guide	90-67	VG-5005H	Exh.; w/Cast iron head; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide	90-67	VG-5005T	Exh.; w/Cast iron head; Threaded; .3425" ID, 2.2500" O.A.L.
16	Guide	90-67	VG-5131T	Exh. & Int.; Universal; .4380" ID, 3.2500" O.A.L.
8	Guide	90-67	VG-5038	Int.; w/Cast iron head; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	90-67	VG-5005B	Exh.; w/Cast iron head; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk	90-67	VG-5005TB	Exh.; w/Cast iron head; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
8	Guide, Bulk	90-67	VG-5038B	Int.; w/Cast iron head; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	90-78	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
16	Spring	90-78	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
16	Spring	77-73	VS-677	Exh. & Int.; Corvette; Incl. damper; 2.0300" Free Height
8	Spring	77-72	VS-727	Exh.; Exc. Corvette; Incl. damper; 1.9100" Free Height
16	Spring	77-72	VS-739R	Exh. & Int.; Corvette; Optional-H/D; 2.0000" Free Height
16	Spring	72-67	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
16	Spring	71-67	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
16	Spring, Bulk	90-78	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	90-78	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
16	Spring, Bulk	77-73	VS-677B	Exh. & Int.; Corvette; Incl. damper; Carton of 250; 2.0300" Free Height
8	Spring, Bulk	77-72	VS-727B	Exh.; Exc. Corvette; Incl. damper; Carton of 250; 1.9100" Free Height
16	Spring, Bulk	77-72	VS-739RB	Exh. & Int.; Corvette; Optional-H/D; Carton of 300; 2.0000" Free Height
16	Spring, Bulk	72-67	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	71-67	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	80-77	ST-2003	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	77-68	ST-2092	Exh. & Int.; Sealed Power Premium design; Positive type; Rubber
16	Valve Stem Seal	76-67	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	76-67	MV-1903	Exh. & Int.; Use w/repair guide; Positive type; Rubber
8	Valve Stem Seal	90	MV-1888C	Int.; VIN Code "7"; O.E. design; Positive type; Viton®
16	Valve Stem Seal	90-67	MV-1233C	Exh. & Int.; O-Ring; Rubber
16	Valve Stem Seal	90-67	MV-1598C	Exh. & Int.; Umbrella type; Rubber
8	Valve Stem Seal	89-77	MV-1888C	Int.; VIN Code "7"; O.E. design; Positive type; Viton®
8	Valve Stem Seal Bulk	90	MV-1888	Int.; VIN Code "7"; O.E. design; Positive type; Carton of 50; Viton®
16	Valve Stem Seal Bulk	90-67	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	90-67	MV-1598	Exh. & Int.; Umbrella type; Carton of 100; Rubber
8	Valve Stem Seal Bulk	89-77	MV-1888	Int.; VIN Code "7"; O.E. design; Positive type; Carton of 50; Viton®
16	Valve Stem Seal Bulk	80-77	ST-2003BC	Exh. & Int.; Sealed Power Premium design; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
16	Valve Stem Seal Bulk	76-67	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-78	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.	90-78	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.	90-78	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
8	Exh.	77-69	245-1687-2N Std Only	Corvette; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth

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5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 **88**VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.)
1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

VALVE TRAIN	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exh.	77-69	245-1687-2 Std Only	Corvette; 1.6925" OD, 1.4375" ID, .2160" Depth
	8	Exh.	77-69	245-1562-1N Std Only	Exc. Corvette; Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	77-69	245-1562-1 Std Only	Exc. Corvette; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	77-69	245-2062-1 Std Only	Exc. Corvette; 2.0680" OD, 1.8125" ID, .2480" Depth
	8	Int.	77-69	245-2125-1 Std Only	Exc. Corvette; 2.1305" OD, 1.8125" ID, .2480" Depth
	8		68-67	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8		68-67	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	68-67	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90	VK-115	VIN Code "7"; 1 groove; Square cut key groove
	32	Keeper	90	VK-115R	VIN Code "7"; 1 groove; Square cut key groove; Hardened
	32	Keeper	89-67	VK-115	1 groove; Square cut key groove
	32	Keeper	89-67	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90	VK-115B	VIN Code "7"; 1 groove; Square cut key groove; Carton of 1000
	32	Keeper, Bulk	89-67	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-67	259-203C	.015"; Carton of 100
	16	Spring Insert	90-67	259-203B	.030"; Carton of 100
	16	Spring Insert	90-67	259-203BRS	.030"; Carton of 500
	16	Spring Insert	90-67	259-203A	.060"; Carton of 100
	16	Spring Insert	90-67	259-203ARS	.060"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90	423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	8	Cast Piston	90	H345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	90	H345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston	90	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	90	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
	8	Cast Piston	90	H597CP Std-20-30-40-60	VIN Codes "7" & "8"; Use w/E-530K ring set; Hypereutectic; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 1.550" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	89-86	423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	8	Cast Piston	89-86	H345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	89-86	H345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston	89-86	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston	89-86	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
	8	Cast Piston	89-86	550P Std-20-30-40	VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.265" dia. w/shallow oil ring groove
	8	Cast Piston	85-84	423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.

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GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	85-84	H345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	85-84	H345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston	85-84	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	85-84	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	85-81	H618CP Std-20-30-40-60	VIN Codes "L", "6" & "8"; Hypereutectic; For use in RV & Perf. Appl.; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston	83-82	423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	83-82	H345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	83-82	H345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston	83-82	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	83-82	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	81-78	423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	81-78	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	81-78	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	77-72	423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	77-72	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	77-72	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	71	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	71	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	70-69	345NP Std-20-30-40-60-80	Exc. Corvette; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.

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5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 **88**

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.)
1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	70-69	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	70-69	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	68-67	345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Cast Piston	68-67	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	68-67	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	90	W423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	90	WH345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	90	WH345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	90	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	90	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	90	WH597CP Std-20-30-40-60	VIN Codes "7" & "8"; Use w/WE-530K ring set; Hypereutectic; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 1.550" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	89-86	W423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	89-86	WH345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	89-86	WH345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	89-86	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	89-86	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	89-86	W550P Std-20-30-40	VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.265" dia. w/shallow oil ring groove
8	Cast Piston - Individual	85-84	W423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	85-84	WH345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston

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GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston - Individual	85-84	WH345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	85-84	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	85-84	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	85-81	WH618CP Std-20-30-40-60	VIN Codes "L", "6" & "8"; Hypereutectic; For use in RV & Perf. Appl.; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	83-82	W423NP Std-20-30-40-60-80	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	83-82	WH345NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	83-82	WH345NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	83-82	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	83-82	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	81-78	W423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	81-78	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	81-78	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	77-72	W423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	77-72	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	77-72	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	71	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	71	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	70-69	W345NP Std-20-30-40-60-80	Exc. Corvette; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Cast Piston - Individual	70-69	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston

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5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.) 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston - Individual	70-69	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	68-67	W345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Cast Piston - Individual	68-67	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	68-67	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	90	8KH345NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	90	8KH345NP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	90	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	90-67	8KH423NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	89-86	8KH345NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	89-86	8KH345NP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	89-86	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	85-84	8KH345NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	85-84	8KH345NP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	85-84	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	85-81	8KH618CP30 30-40-60	VIN Codes "L", "6" & "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	83-82	8KH345NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	83-82	8KH345NP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	83-82	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	81-78	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	79-72	8KH618CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston

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GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cast Piston Set w/Prem. Rings	77-72	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	71	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	70-69	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	68-67	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	90	8X423NP20 20-30-40-60	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	89-86	8X423NP20 20-30-40-60	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	85-84	8X423NP20 20-30-40-60	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	83-82	8X423NP20 20-30-40-60	Exc. VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	81-78	8X423NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	77-72	8X423NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	70-69	8X345NP20 20-30-40-60	Exc. Corvette; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
1	Cast Piston Set w/Econ. Rings	68-67	8X345NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Powerforged	90	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	89	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	88	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	87	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	86	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	85-84	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	85-81	L-2304F Std-30-60	VIN Codes "L", "6" & "8"; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
8	Powerforged	85-81	L-2256F Std-20-30-40-60	VIN Codes "L", "6" & "8"; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Powerforged	83	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	82	L-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	81	L-2403NF Std-20-30-40-60	VIN Code "L"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.

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5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.) 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Powerforged	80-78	L-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	77-75	L-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	74-73	L-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	72-71	L-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	72-71	L-2304F Std-30-60	11.0:1 C.R.; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
8	Powerforged	70-69	L-2304F Std-30-60	Corvette; Spec. Hi-Perf.; 11.0:1 C.R.; Replaces O.E. piston in less than full sets; Use w/premium fuel of 96 octane & higher; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
8	Powerforged	70-69	L-2256F Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Powerforged	68-67	L-2256F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual	90	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	89	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	88	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	87	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	86	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	85-84	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	85-81	WL-2256F Std-20-30-40-60	VIN Codes "L", "6" & "8"; For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual	85-81	WL-2304F Std-30-60	VIN Codes "L", "6" & "8"; For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
8	Forged Piston - Individual	83	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	82	WL-2403NF Std-20-30-40-60	Exc. VIN Code "8"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	81	WL-2403NF Std-20-30-40-60	VIN Code "L"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	80-78	WL-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	77-75	WL-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	74-73	WL-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	72-71	WL-2403NF Std-20-30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.

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GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Forged Piston - Individual	72-71	WL-2304F Std-30-60	11.0:1 C.R.; Use in sets only; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	70-69	WL-2304F Std-30-60	Corvette; Spec. Hi-Perf.; 11.0:1 C.R.; Replaces O.E. piston in less than full sets; Use w/premium fuel of 96 octane & higher; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high.
	8	Forged Piston - Individual	70-69	WL-2256F Std-20-30-40-60	DurOshield® skirt coated piston. Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs.
	8	Forged Piston - Individual	68-67	WL-2256F Std-20-30-40-60	DurOshield® skirt coated piston. Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	85-81	8KL2256F30 30-40-60	VIN Codes "L", "6" & "8"; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	79-72	8KL2256F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	70-69	8KL2256F30 30-40-60	Exc. Corvette; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs.
	1	Forged Piston Set w/Rings	68-67	8KL2256F30 30-40-60	DurOshield® skirt coated piston. Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-530K Std-20-30-40-60	Use w/H597CP piston; 1-2.00MM, 1-1.50MM, 1-4.00MM
	1	Premium Set	90-86	E-377K Std-20-30-40	.165" shallow oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-86	E-251K Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-86	E-251KC Std-10-20-30-40-60	Use w/L-2403NF piston; 2-5/64, 1-3/16
	1	Premium Set	85-67	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	85-67	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	85-67	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-86	E-377X Std-30-40	.165" shallow oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	90-86	E-251X Std-10-20-30-40-60-80	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	85-67	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90	WE-530K Std-20-30	Use w/WH597P piston; 1-2.00MM, 1-1.50MM, 1-4.00MM
	8	Premium Single Cylinder Set	90-86	WE-377K Std-20-30	.165" shallow oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-86	WE-251K Std-20-30-40-60	Use w/WL-2403NF piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-86	WE-251KC Std-20-30-40-60	Use w/WL-2403NF piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	85-67	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	85-67	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-86	WE-377X Std-30	.165" shallow oil ring groove; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-86	WE-251X Std-20-30-40-60-80	Use w/WL-2403NF piston; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	85-67	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-67	4663M Std-1-2-10-20-30-40-60	
	1	Main Set	90-67	6688M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	90-67	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Main Set	90-67	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set	90-67	7274MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD
	1	Rod Set	90-67	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	90-67	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	90-67	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set	90-67	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
	1	Rod Set	90-67	8-2555CA60 60	Unplated & resizeable
	8	Rod Pair	90-67	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair	90-67	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair	90-67	2555CA60 60	Unplated & resizeable
	1	Cam Set	90-67	1235M Std-1-10	Babbitt material; Full round design
	1	Cam Set	90-67	1749M Std Only	Bi-Metal Aluminum
	1	Cam Set	90-67	1811M Std Only	Race Performance; "Big Block"; Split type design, 2.120" housing bore

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92 (cont.)

	QTY	ENGINE BEARINGS			DESCRIPTION
		(cont.)	YEARS	PART NO.	
	1	Cam Set	90-67	1750M Std Only	2.030" housing bore
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-89	224-43469V	VIN Code "7"; High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide
	1	Oil Pump	90-89	224-43469	VIN Code "7"; 3/4" inlet; w/nylon shaft guide
	1	Oil Pump	90-82	224-4146A	High Pressure; 5/8" inlet
	1	Oil Pump	90-82	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
	1	Oil Pump	90-82	224-4146	5/8" inlet
	1	Oil Pump	81-71	224-4146A	Corvette; High Pressure; 5/8" inlet
	1	Oil Pump	81-71	224-4146	Exc. Corvette; 5/8" inlet
	1	Oil Pump	81-67	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
	1	Oil Pump	70-69	224-4146A	Corvette; High Pressure; 5/8" inlet
	1	Oil Pump	70-69	224-4146	Exc. Corvette; 5/8" inlet
	1	Oil Pump	68-67	224-4146	5/8" inlet
	1	Inter. Shaft	90-67	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	90-67	224-6146	Use w/nylon shaft guide
	1	Oil Pump Shaft Guide	90-67	224-43343	Nylon
	1	Screen Assy.	90-82	224-1246	5/8" inlet tube
	1	Screen Assy.	90-81	224-14227	Corvette; 5/8" inlet tube
	1	Screen Assy.	81-80	224-1246	Exc. Corvette; 5/8" inlet tube
	1	Screen Assy.	79-76	224-1246	5/8" inlet tube
	1	Screen Assy.	75-67	224-14227	Corvette; 5/8" inlet tube
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1269	VIN Code "7"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-87	260-1478	VIN Code "8"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	88-86	260-1268	VIN Code "6"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86	260-1478	VIN Code "8"; w/Alum. heads; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86	260-1268	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	85	260-1045	Exc. VIN Code "8"; Premium valve stem seals incl.
	1	Kit Gasket Set	84	260-1479	Corvette; w/CFI; Premium valve stem seals incl.
	1	Kit Gasket Set	84	260-1045	Exc. VIN Code "8"; Premium valve stem seals incl.
	1	Kit Gasket Set	83	260-1045	Exc. VIN Code "8"; Premium valve stem seals incl.
	1	Kit Gasket Set	82	260-1479	Corvette; w/CFI; Premium valve stem seals incl.
	1	Kit Gasket Set	82	260-1045	Exc. VIN Code "8"; Premium valve stem seals incl.
	1	Kit Gasket Set	81-80	260-1045	Premium valve stem seals incl.
	1	Kit Gasket Set	80-67	260-1079	Premium Set; Performance head gskt. incl.; Performance manifold gskts. incl.; Complete set
	1	Kit Gasket Set	79-67	260-1000	
	2	Head Bolt Set	90-67	260-2500	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-88	381-8059	VIN Code "8"
	1	Brass Block Plug Kit	87-86	381-8059	VIN Codes "6" & "8"; Export
	1	Brass Block Plug Kit	85-67	381-8007	
	1	Brass Block Plug Kit	81-80	381-8059	VIN Code "6"
	1	Brass Block Plug Kit	79-78	381-8059	VIN Codes "H" & "L"
	1	Steel Block Plug Kit	90-88	381-4011	
	1	Steel Block Plug Kit	87-83	381-4011	
	1	Steel Block Plug Kit	82-80	381-4011	
	1	Steel Block Plug Kit	79-78	381-4011	
	1	Steel Block Plug Kit	77-76	381-4011	
	1	Steel Block Plug Kit	75-67	381-4011	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION			
	90	VIN Code "8"; Use w/H597CP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; For pistons w/1-2.00MM, 1-1.50MM, 1-4.00MM ring groove	Re-ring		
			Re-ring w/Mains		
				PREMIUM KIT NO.	ECONOMY KIT NO.
				205-6152	-----
				205-6152M	-----

(continued on next page)

GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

YEARS	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
	DESCRIPTION			
90	VIN Code "8"; Use w/H597CP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; For pistons w/1-2.00MM, 1-1.50MM, 1-4.00MM ring groove	Re-ring Re-ring w/Mains	205-6279 205-6279M	----- -----
90-89	VIN Code "7"; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6038 205-6038M	205-1038 205-1038M
90-89	VIN Code "7"; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6156 205-6156M	205-1156 205-1156M
90-87	VIN Code "8"; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6151 205-6151M	205-1151 205-1151M
88-87	VIN Code "6"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
88-87	VIN Code "6"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6153 205-6153M	205-1153 205-1153M
86	VIN Code "6"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
86	VIN Code "8"; w/Alum. heads; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6151 205-6151M	205-1151 205-1151M
86	VIN Code "6"; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6153 205-6153M	205-1153 205-1153M
86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6153 205-6153M	205-1153 205-1153M
85-84	Exc. VIN Code "8"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
84	Corvette; w/CFI; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6149 205-6149M	205-1149 205-1149M
84	Corvette; w/CFI; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	----- -----	205-1276 205-1276M
83	Exc. VIN Code "8"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
82	Corvette; w/CFI; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6149 205-6149M	205-1149 205-1149M
82	Corvette; w/CFI; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	----- -----	205-1276 205-1276M
82	Exc. VIN Code "8"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
81-80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
79-67	Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-630 205-630M	205-130 205-130M

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 **88**

VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" (cont.) 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

K I T S	OVERHAUL KIT		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90	VIN Code "8"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block BK-6088	----	
	90	VIN Code "8"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs BKP-6088	----	
	90	VIN Code "7"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. H597CP piston	Block BK-6089	----	
	90	VIN Code "8"; w/.165" shallow oil ring groove; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Pistons MK-6151A	MK-1151A	
	90	VIN Code "8"; w/rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master MKP-6152A	----	
	90	VIN Code "8"; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Pistons MK-6152A	----	
	90-89	VIN Code "7"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 423NP piston	Block BK-6084	----	
	90-88	VIN Code "8"; Incl. rlr. lifters; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Incl. High Pressure 5/8" inlet oil pump; w/.200" deep oil ring groove	Mster w/Frg. Pstn. Prm. Rings MKF-6151A	----	
	89-88	VIN Code "8"; w/.165" shallow oil ring groove; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Pistons MK-6151A	MK-1151A	
	89-88	VIN Code "8"; Incl. 550P piston; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master MKP-6151A	MKP-1151A	
	89-88	VIN Code "8"; Incl. 550P piston; Incl. rlr. lifters; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Rods & Mains 505-6151A	505-1151A	
	87	VIN Code "8"; w/.165" shallow oil ring groove; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Pistons MK-6151A	MK-1151A	
	87	VIN Code "8"; Incl. rlr. lifters; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Incl. High Pressure 5/8" inlet oil pump; w/.200" deep oil ring groove	Mster w/Frg. Pstn. Prm. Rings MKF-6151A	----	
	87	VIN Code "8"; Incl. 550P piston; Incl. rlr. lifters; Incl. hardened cam sprocket; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master MKP-6151A	MKP-1151A	
	87	VIN Code "8"; Incl. 550P piston; Incl. rlr. lifters; Incl. hardened cam sprocket; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure 5/8" inlet oil pump	Master w/o Rods & Mains 505-6151A	505-1151A	

(continued on next page)

GM Car

88 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67

(cont.) VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.165" shallow oil ring groove; Incl. flat lifters; Incl. A-Series aluminum bearings ; Incl. High Pressure 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6153A	MK-1153A
	86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 550P piston; Incl. flat lifters; Incl. A-Series aluminum bearings ; Incl. High Pressure 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-6153A	----
	86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 550P piston; Incl. flat lifters; Incl. A-Series aluminum bearings ; Incl. High Pressure 5/8" inlet oil pump; w/.405" tooth width sprocket; Freeze plugs not incl.	Master	----	MKP-1153A
	86	VIN Code "8"; w/Cast iron heads; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 550P piston; Incl. flat lifters; Incl. High Pressure 5/8" inlet oil pump; w/.405" tooth width sprocket; w/.165" shallow oil ring groove	Master w/o Rods & Mains	505-6153A	505-1153A
	84	VIN Code "8"; Corvette; w/CFI; w/flat lifters; Incl. A-Series aluminum bearings ; w/.405" tooth width sprocket; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Master w/o Pistons	----	MK-1149C
	81	VIN Code "L"; Exc. Corvette; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-658A	----
	81-80	Exc. Corvette; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-658A MK-658A	MKP-158A MK-158A
	81-80	Exc. Corvette; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-658A	505-158A
	80	Exc. Corvette; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-658A	----
	79	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	79	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C
	78	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	78	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C
	77	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	77	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C
	76	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	76	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C
	75-73	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	75-73	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C
	72	Exc. Corvette; Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
	72	Exc. Corvette; Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	---- 505-130C

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-67 88				
VIN Codes "H" 1972-78, "J" 1972-75, "K" 1972-74, "L" 1972-85, "T" 1973-75, "V" 1976, "X" 1976-77, "4" 1978-79, "6" 1980-88, "7" 1989-93, "8" 1979-80 & 1982-92 (cont.)				
K I T S	OVERHAUL KIT (cont.)			
	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	71	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-630C
	71-69	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-630C
	70-69	Exc. Corvette; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-630D
	70-69	Exc. Corvette; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630D 505-630D
	68-67	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-630C
	68-67	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-630D
K I T S	68-67	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630D 505-630D
				505-130D
5.7L 350 DOHC V8 (32 Valve), 4" Bore (Mercury Marine Eng.) 1990 89				
VIN Code "J" 1990-95 (LT-5)				
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
32	Lifter	90	HT-2236 Std Only	Hyd. bucket type lifter
32	Lifter, Bulk	90	HT-2236B Std Only	Hyd. bucket type lifter; Carton of 192
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90	VK-115	Exh. & Int.; 1 groove; Square cut key groove
32	Keeper	90	VK-115R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	90	VK-115B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90	381-8059	
5.7L 350 OHV Diesel V8 (Oldsmobile), 4.057" Bore 1985-78 90				
VIN Code "N" 1978-85				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	85-78	KT3-180S	Cam & crank gears not sold separately; Incl. (1) 222-180, (1) 223-498, (1) 223-503
1	Timing Chain	85-78	222-180	48 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	85-81	HT-2104 Std Only	Hyd. rlr.
16	Lifter, Bulk	85-81	HT-2104B Std Only	Hyd. rlr.; Carton of 113
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	85-81	RP-3244	w/rlr. lifters; 7.7000" O.A.L.
16	Push Rod	80	RP-3205	8.2480" O.A.L.
16	Push Rod	79-78	RP-3174	8.2340" O.A.L.
16	Push Rod, Bulk	85-81	BRP-3244	w/rlr. lifters; Carton of 100; 7.7000" O.A.L.
16	Push Rod, Bulk	80	BRP-3205	Carton of 100; 8.2480" O.A.L.
16	Push Rod, Bulk	79-78	BRP-3174	Carton of 100; 8.2340" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	85-80	R-882	Incl. 2-arms, 2-pivots & 1-pivot bridge
8	Arm Assy.	79-78	R-856	Incl. 2-arms & 1-pivot assy.
8	Arm Assy., Bulk	85-80	R-882B	Incl. 2-arms, 2-pivots & 1-pivot bridge; Carton of 32
8	Arm Assy., Bulk	79-78	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
16	Arm	85-80	R-882A	
16	Arm	79-78	R-856A	
16	Arm, Bulk	85-80	R-882AB	Carton of 64
8	Pivot	85-78	MR-1903	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	85-78	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	85-78	MV-1819C	Int.; Umbrella type; Nylon
16	Valve Stem Seal Bulk	85-78	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	85-78	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	85-78	245-1687-16 Std Only	1.6925" OD, 1.4375" ID, .1860" Depth
8	Int.	85-78	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth

(continued on next page)

GM Car

90 5.7L 350 OHV Diesel V8 (Oldsmobile), 4.057" Bore 1985-78

(cont.) VIN Code "N" 1978-85

B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	85-78	VK-115	1 groove; Square cut key groove
	32	Keeper	85-78	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	85-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	85-78	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	85-78	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	85-78	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	85-78	259-303ARS	.060"; ID .703"; Carton of 500
	8	Rotocap	85-78	RC-140	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	84-82	3049Y20	1.196" rod eye bore; O.E. No. 22515213
	8	Pin Bushing	81-78	2564V20	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-78	4294M Std-1-10-20-30	
	1	Rod Set	85-78	8-3045A Std-10-20-30-40	A-Series aluminum bearings
	1	Rod Set	85-78	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	85-78	8-3045APA Std-1	Overplated alum. alloy
	1	Rod Set	85-78	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy
	8	Rod Pair	85-78	3045APA Std Only	Overplated alum. alloy
	1	Cam Set	85-78	1466M Std Only	Full round design
	1	Cam Set	85-78	1787M Std Only	O.E. split type design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	85-78	224-61203	
	1	Screen Assy.	85-78	224-11203	5/8" inlet tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	85-81	260-1249	w/Internal EGR; Premium valve stem seals incl.; Head gskts. not incl.
	1	Kit Gasket Set	85-78	260-1617	Int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. std. thickness head gskts.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	85-78	381-8020	
	1	Steel Block Plug Kit	85-78	381-4020	

91 5.7L 350 OHV V8 (Oldsmobile), 4.057" Bore 1980-68

VIN Codes "B" 1978-79, "G" 1977, "H" 1972-73, "K" 1972-75, "M" 1972-74, "R" 1972-80, "8" 1980

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	80-68	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349
	1	Timing Set w/Gaskets	80-68	CTS-1005	
	1	Timing Chain	80-68	222-498	48 Links
	1	Crank Sprocket	80-68	223-349	18 Teeth
	1	Cam Sprocket	80-68	223-348	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	80-73	CS-707	
	1	Camshaft	72	CS-651	VIN Codes "K", "M" & "R"; w/M/T
	1	Camshaft	72-71	CS-707	w/A/T
	1	Camshaft	71	CS-651	Eng. Codes "QN", "QO" & "QP"; w/M/T
	1	Camshaft	70	CS-707	w/A/T; Exc. O.A.I.
	1	Camshaft	69	CS-651	
	1	Camshaft	69-68	CS-707	Exc. O.A.I.
	1	Camshaft	68	CS-651	Police
	1	Performance Cam	70	CS-176R	w/O.A.I.; Pro-5000 Perf. Cam; Hyd.; Duration at .050: 232 Int., 232 Exh.; Valve lift .4740" Int., .4740" Exh.; Lobe Separation 113 Degrees
V A L V E T R A I N	1	Performance Cam	69-68	CS-176R	w/O.A.I.; Pro-5000 Perf. Cam; Hyd.; Duration at .050: 232 Int., 232 Exh.; Valve lift .4740" Int., .4740" Exh.; Lobe Separation 113 Degrees
	16	Lifter	80-68	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	80-68	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	80-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	80-73	KC-707	Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter Kit	72-71	KC-707	w/A/T; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter Kit	70	KC-707	Exc. O.A.I.; w/A/T; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter Kit	69-68	KC-707	Exc. O.A.I.; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-73	KCT-707	Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B

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5.7L 350 OHV V8 (Oldsmobile), 4.057" Bore 1980-68 91

VIN Codes "B" 1978-79, "G" 1977, "H" 1972-73, "K" 1972-75, "M" 1972-74, "R" 1972-80, "8" 1980 (cont.)

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	72	KCT-651	VIN Codes "K", "M" & "R"; w/M/T; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-71	KCT-707	w/A/T; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71	KCT-651	Eng. Codes "QN", "QO" & "QP"; w/M/T; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	70	KCT-707	Exc. O.A.I.; w/A/T; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69	KCT-651	Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69-68	KCT-707	Exc. O.A.I.; Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	68	KCT-651	Police; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	80	RP-3205	8.2480" O.A.L.
	16	Push Rod	79-68	RP-3174	8.2340" O.A.L.
	16	Push Rod, Bulk	80	BRP-3205	Carton of 100; 8.2480" O.A.L.
	16	Push Rod, Bulk	79-68	BRP-3174	Carton of 100; 8.2340" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	80	R-882	Incl. 2-arms, 2-pivots & 1-pivot bridge
	8	Arm Assy.	79-68	R-856	Incl. 2-arms & 1-pivot assy.
	8	Arm Assy., Bulk	80	R-882B	Incl. 2-arms, 2-pivots & 1-pivot bridge; Carton of 32
	8	Arm Assy., Bulk	79-68	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
	16	Arm	80	R-882A	Carton of 64
	16	Arm	79-68	R-856A	
	16	Arm, Bulk	80	R-882AB	
	8	Pivot	80-68	MR-1903	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	80-77	V-2061 Std-15	Chrome plated stem; 1.5020" Head Dia., .3423" Stem Dia., 4.6880" O.A.L.
	8	Exhaust	76-73	V-2028 Std Only	Chrome plated stem; 1.6220" Head Dia., .3423" Stem Dia., 4.6750" O.A.L.
	8	Exhaust	72	V-1942 Std Only	1.6220" Head Dia., .3423" Stem Dia., 4.7080" O.A.L.
	8	Exhaust	71-68	V-1772 Std Only	w/O.A.I.; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	71-68	V-1770 Std Only	Exc. O.A.I.; 1.5620" Head Dia., .3422" Stem Dia., 4.7280" O.A.L.
	8	Exhaust, Bulk	80-77	V-2061B15 15	Chrome plated stem; Carton of 25; 1.5020" Head Dia., .3573" Stem Dia., 4.6880" O.A.L.
	8	Intake	80-77	V-2304 Std Only	Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	80-77	V-1775 Std Only	1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	76-73	V-1995 Std Only	1.8750" Head Dia., .3428" Stem Dia., 4.6670" O.A.L.
	8	Intake	72	V-1773 Std Only	1.8760" Head Dia., .3425" Stem Dia., 4.7382" O.A.L.
	8	Intake	71-68	V-1775 Std Only	w/O.A.I.; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	71-68	V-1773 Std Only	Exc. O.A.I.; 1.8760" Head Dia., .3425" Stem Dia., 4.7382" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	80-68	VG-5038	.3430" ID, 2.1200" O.A.L.
	16	Guide, Bulk	80-68	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	80-73	VS-721	Exh. & Int.; 1.9600" Free Height
	8	Spring	72	VS-1618R	Exh.; Incl. damper; 1.9940" Free Height
	8	Spring	72	VS-721	Int.; 1.9600" Free Height
	16	Spring	71-68	VS-1618R	Exh. & Int.; Incl. damper; 1.9940" Free Height
	16	Spring, Bulk	80-73	VS-721B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	72	VS-721B	Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	80-68	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal	80-68	MV-1819C	Int.; Umbrella type; Nylon
	16	Valve Stem Seal Bulk	80-68	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	80-68	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	80-77	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	80-77	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	8	Int.	76-73	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth

(continued on next page)

GM Car

91 5.7L 350 OHV V8 (Oldsmobile), 4.057" Bore 1980-68
(cont.) VIN Codes "B" 1978-79, "G" 1977, "H" 1972-73, "K" 1972-75, "M" 1972-74, "R" 1972-80, "8" 1980

VALVE TRAIN	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Int.	72-68	245-2000-1 Std Only	Exc. O.A.I.; 2.0055" OD, 1.7500" ID, .2160" Depth	
	8	Exh.	71-68	245-1750-2N Std Only	w/O.A.I.; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Exh.	71-68	245-1687-2N Std Only	Exc. O.A.I.; Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth	
	8	Exh.	71-68	245-1687-2 Std Only	Exc. O.A.I.; 1.6925" OD, 1.4375" ID, .2160" Depth	
	8	Exh.	71-68	245-1750-2 Std Only	W/O.A.I.; 1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Int.	71-68	245-2125-2 Std Only	w/O.A.I.; 2.1305" OD, 1.8750" ID, .2480" Depth	
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	32	Keeper	80-68	VK-115	1 groove; Square cut key groove	
	32	Keeper	80-68	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	80-68	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	80-68	259-303C	.015"; ID .703"; Carton of 100	
	16	Spring Insert	80-68	259-303B	.030"; ID .703"; Carton of 100	
	16	Spring Insert	80-68	259-303A	.060"; ID .703"; Carton of 100	
	16	Spring Insert	80-68	259-303ARS	.060"; ID .703"; Carton of 500	
	8	Rotocap	80-68	RC-140		
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston	80	332AP Std-20-30-40-60	VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston	79-78	332AP Std-20-30-40-60	VIN Codes "B" & "R"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston	77-75	332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston	74-72	332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston	71-68	332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	80	W332AP Std-20-30-40-60	VIN Code "8"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	79-78	W332AP Std-20-30-40-60	VIN Codes "B" & "R"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	77-75	W332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	74-72	W332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Cast Piston - Individual	71-68	W332AP Std-20-30-40-60	Low comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.596" CD, .9804" Pin Dia., Recessed Head .215" deep x 2.920" dia. - 7.9:1 C.R.	
	8	Powerforged	71-68	L-2320F Std-30	w/O.A.I.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.612" CD, .9804" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Powerforged	70-68	L-2321F30 30	High comp.; 10.25:1 C.R.; Exc. O.A.I.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.612" CD, .9805" Pin Dia., Recessed Head .076" deep x 2.440" dia. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	71-68	WL-2320F Std-30	w/O.A.I.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.612" CD, .9804" Pin Dia., Flat Head. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	70-68	WL-2321F30 30	High comp.; 10.25:1 C.R.; Exc. O.A.I.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.612" CD, .9805" Pin Dia., Recessed Head .076" deep x 2.440" dia. DurOshield® skirt coated piston.	
	8	Pin Bushing	80	3049YA20		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	80-68	E-297K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	80-68	E-297X Std-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	80-68	WE-297K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	80-68	WE-297X Std-30-40-60	2-5/64, 1-3/16	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	80-68	4281M Std-1-10-20-30-40	3.824" max. flange OD	
	1	Rod Set	80-68	8-3045A Std-10-20-30-40	A-Series aluminum bearings	

(continued on next page)

5.7L 350 OHV V8 (Oldsmobile), 4.057" Bore 1980-68 91

VIN Codes "B" 1978-79, "G" 1977, "H" 1972-73, "K" 1972-75, "M" 1972-74, "R" 1972-80, "8" 1980 (cont.)

B L O C K	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	80-68	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	80-68	8-3045APA Std-1	Overplated alum. alloy	
	1	Rod Set	80-68	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy	
	8	Rod Pair	80-68	3045A Std-1-10-20-30-40	A-Series aluminum bearings	
	8	Rod Pair	80-68	3045APA Std Only	Overplated alum. alloy	
	1	Cam Set	80-78	1466M Std Only	Full round design	
	1	Cam Set	80-78	1787M Std Only	O.E. split type design	
	1	Cam Set	77-68	1234M Std Only	Babbitt material; Full round design	
1	Cam Set	77-68	1789M Std Only	O.E. split type design		
B L O C K	OIL PUMP					
	QTY		YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	80-77	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
	1	Oil Pump	80-68	224-41203		
	1	Inter. Shaft	80-68	224-61203		
	1	Screen Assy.	80-77	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
	1	Screen Assy.	80-77	224-11203	5/8" inlet tube	
	1	Screen Assy.	76-68	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
	1	Screen Assy.	76-68	224-11203	5/8" inlet tube	
	B L O C K	GASKETS				
QTY			YEARS	PART NO.	DESCRIPTION	
1		Kit Gasket Set	80-77	260-1022	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1		Kit Gasket Set	76-68	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1		Valley Pan Gasket Set	80-73	260-4001		
1		Valley Pan Gasket Set	72-68	260-4010		
B L O C K		FREEZE PLUGS				
		QTY		YEARS	PART NO.	DESCRIPTION
		1	Brass Block Plug Kit	80-68	381-8020	
		1	Steel Block Plug Kit	80-68	381-4020	
	K I T S	RE-RING KIT				
		YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
		80	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-6309M	205-1309M
		80	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6309	205-1309
		79-78	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-6309M	205-1309M
		79-78	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6309	205-1309
77		Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-6309M	205-1309M	
77		Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6309	205-1309	
76-68		Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-6310M	205-1310M	
76-68		Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-6310	205-1310	
K I T S	OVERHAUL KIT					
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.	
	80	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons	MK-638A	MK-138A	
	80	VIN Code "8"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master	MKP-638A	MKP-138A	
	80	VIN Code "8"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	----	505-138A	
	79-78	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons	MK-638A	MK-138A	

(continued on next page)

GM Car

91 5.7L 350 OHV V8 (Oldsmobile), 4.057" Bore 1980-68

(cont.) VIN Codes "B" 1978-79, "G" 1977, "H" 1972-73, "K" 1972-75, "M" 1972-74, "R" 1972-80, "8" 1980

K I T S	OVERHAUL KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	79-78	VIN Codes "B" & "R"; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master		MKP-638A	MKP-138A
	79-78	VIN Codes "B" & "R"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	----		505-138A
	76-73	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons		MK-639C	MK-139C
	76-73	Low comp.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master		MKP-639C	MKP-139C
	76-73	Low comp.; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-639C	505-139C
	72-71	w/A/T; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons		MK-639C	MK-139C
	72-71	Low comp.; w/A/T; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master		MKP-639C	MKP-139C
	72-71	Low comp.; w/A/T; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-639C	505-139C
	70	Exc. O.A.I.; w/A/T; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons		MK-639C	MK-139C
	70	Low comp.; Exc. O.A.I.; w/A/T; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master		MKP-639C	MKP-139C
	70	Low comp.; Exc. O.A.I.; w/A/T; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-639C	505-139C
	69-68	Exc. O.A.I.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master w/o Pistons		MK-639C	MK-139C
	69-68	Low comp.; Exc. O.A.I.; Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Master		MKP-639C	MKP-139C
	69-68	Low comp.; Exc. O.A.I.; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains		505-639C	505-139C

92 6.0L 364 OHV V8 (Buick), 4.125" Bore 1961-57

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	61-57	222-491	52 Links
	1	Crank Sprocket	61-57	223-276	19 Teeth
	1	Cam Sprocket	61-57	223-332N	Nylon; 38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	61-57	CS-564	
	16	Lifter	61-57	HT-896 Std Only	Hyd.
	16	Lifter, Bulk	61-57	HT-896B Std Only	Hyd.; Carton of 126
	1	Prelube	61-57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	61-57	RP-3300	8.4460" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	61-59	V-1654 Std Only	1.5000" Head Dia., .3715" Stem Dia., 4.7880" O.A.L.
	8	Intake	61-59	V-1415 Std Only	1.8740" Head Dia., .3726" Stem Dia., 4.7953" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	61-57	VG-628	.3745" ID, 2.7500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	61-57	VS-527	Inner; 2.0100" Free Height
	16	Spring	61-57	VS-612	Outer; 2.0700" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	61-57	ST-2014	Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal Bulk	61-57	ST-2014BC	Positive type; Installation requires valve guide machining; Carton of 100; PTFE

(continued on next page)

6.0L 364 OHV V8 (Buick), 4.125" Bore 1961-57 92 (cont.)				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	61-59	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
8	Exh.	61-59	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
8	Int.	61-59	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	61-57	VK-97	
16	Spring Insert	61-57	259-100B	.030"; Carton of 100
16	Spring Insert	61-57	259-100A	.060"; Carton of 100
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	61-57	E-243K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	61-57	E-243X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	61-57	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	61-57	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
6.0L 365 OHV V8 (Cadillac), 4" Bore 1958-56 93				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	57-56	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	57-56	223-256	18 Teeth
1	Cam Sprocket	57-56	223-255A	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	57-56	CS-256	
16	Lifter	58	HT-896 Std Only	Hyd.
16	Lifter	57	HT-896 Std Only	From Eng. Ser. No. 42398; Hyd.
16	Lifter, Bulk	58	HT-896B Std Only	Hyd.; Carton of 126
16	Lifter, Bulk	57	HT-896B Std Only	From Eng. Ser. No. 42398; Hyd.; Carton of 126
1	Prelube	57-56	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	56	V-1099 Std Only	1.5630" Head Dia., .3420" Stem Dia., 4.6660" O.A.L.
8	Intake	56	V-1100 Std Only	1.7500" Head Dia., .3420" Stem Dia., 4.6450" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	57-56	VG-503	.3450" ID, 2.2660" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	57	VS-485	2.2500" Free Height
16	Spring	56	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	57-56	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	57-56	ST-2092	Positive type; Rubber
16	Valve Stem Seal Bulk	57-56	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	57-56	VK-115	1 groove; Square cut key groove
32	Keeper	57-56	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	57-56	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	57-56	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	57-56	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	57-56	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	57-56	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	57-56	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	57-56	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	58-56	8-2120CP Std-10-20	
8	Rod Pair	58-56	2120CP Std-10-20-30	
6.0L 368 OHV V8 (Cadillac), 3.8" Bore 1984-80 94 VIN Codes "6" 1980-84, "9" 1980-84				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	84-80	KT3-498SA1	Incl. (1) 222-498, (1) 223-404, (1) 223-405
1	Timing Chain	84-80	222-498	48 Links
1	Crank Sprocket	84-80	223-405	18 Teeth
1	Cam Sprocket	84-80	223-404	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	82-80	CS-656	VIN Code "6"
16	Lifter	84-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove
16	Lifter, Bulk	84-80	HT-969B Std Only	Hyd.; Carton of 128
1	Prelube	82-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

GM Car

94 6.0L 368 OHV V8 (Cadillac), 3.8" Bore 1984-80

(cont.) VIN Codes "6" 1980-84, "9" 1980-84

VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-80	KC-656	VIN Code "6"; Hyd.; Incl. (1) CS-656, (16) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-80	KCT-656	VIN Code "6"; Hyd.; Incl. (1) CS-656, (16) HT-969, (1) KT3-498SA1, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	84-80	RP-3178	10.1980" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	84-80	VG-5002	Exh. & Int.; .3420" ID, 3.0600" O.A.L.
	16	Guide	84-80	VG-5002T	Exh. & Int.; Threaded; .3430" ID, 3.0630" O.A.L.
	16	Guide, Bulk	84-80	VG-5002B	Exh. & Int.; Carton of 50; .3420" ID, 3.0600" O.A.L.
	16	Guide, Bulk	84-80	VG-5002TB	Exh. & Int.; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	84-80	VS-485	2.2500" Free Height
	16	Retainer	84-80	VSR-7013	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	84-80	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	84-80	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	8	Int.	84-80	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	84-80	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	84-80	VK-115	1 groove; Square cut key groove
BLOCK	32	Keeper	84-80	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	84-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	84-80	259-203C	.015"; Carton of 100
	16	Spring Insert	84-80	259-203B	.030"; Carton of 100
	16	Spring Insert	84-80	259-203BRS	.030"; Carton of 500
	16	Spring Insert	84-80	259-203A	.060"; Carton of 100
	16	Spring Insert	84-80	259-203ARS	.060"; Carton of 500
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-80	4906MA Std-10-20-30	A-Series aluminum bearings
	1	Main Set	84-80	7430MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.
BLOCK	1	Rod Set	84-80	8-3345P Std-1-10-20-30-40	
	8	Rod Pair	84-80	3345P Std-1-10-20-30-40	
	1	Cam Set	84-80	1216M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	84-82	224-43417	
	1	Oil Pump	81-80	224-43417	Exc. Eldorado & Seville
	1	Pump Repair Kit	84-82	224-5128	
	1	Pump Repair Kit	81-80	224-5128	Exc. Eldorado & Seville
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	84-80	260-1481	Int. manifold gskt. not incl.; RTV sealant for plastic oil pan not incl.; Premium valve stem seals incl.
BLOCK	1	Valley Pan Gasket Set	84-80	260-4015	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	84-80	381-8004	

95 6.1L 370 OHV V8 (Pontiac), 4.0625" Bore 1958-57

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	58-57	CS-187	w/M/T; Exc. Police
	16	Lifter	58	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	58	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	58-57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	58	KC-187	w/M/T; Exc. Police; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	58	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
	16	Push Rod	58	RP-3028	9.1360" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	58	BRP-3028	Carton of 100; 9.1360" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	58-57	R-848	Incl. arm & ball
	16	Arm	58-57	R-848A	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	58	VG-5037	Exh.; .3420" ID, 2.7500" O.A.L.
	8	Guide	58	VG-5075T	Exh.; Threaded; .3440" ID, 2.8750" O.A.L.

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6.1L 370 OHV V8 (Pontiac), 4.0625" Bore 1958-57 95
 (cont.)

VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Guide	58	VG-5034	Int.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	8	Guide	58	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.
	8	Guide, Bulk	58	VG-5075TB	Exh.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.
	8	Guide, Bulk	58	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	58	VS-445	Inner; 1.8120" Free Height
	16	Spring	58	VS-446	Outer; 1.9800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	58	ST-2003	Positive type; Installation requires valve guide machining; Rubber
VALVE TRAIN	16	Valve Stem Seal	58	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	58-57	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	58	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	58-57	MV-1233	O-Ring; Carton of 100; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	58	VK-115	1 groove; Square cut key groove
	32	Keeper	58	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	58	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	58	259-301A	.060"; Carton of 100
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Premium Set	58	E-253K30 30-40-60	2-5/64, 1-3/16
	1	Standard Set	58	E-253X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	58	WE-253K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	58	WE-253X30 30	2-5/64, 1-3/16
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	58	224-61236	

6.1L 371 OHV V8 (Oldsmobile), 4" Bore 1960-57 96

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	60-57	222-494	48 Links
	1	Cam Sprocket	58-57	223-245	1/2" pitch; 48 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	60-59	RP-3024	9.2850" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	60-57	VG-584	Exh.; .3973" ID, 2.3800" O.A.L.
	8	Guide	60-57	VG-538	Int.; .3450" ID, 2.3750" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	60-58	VS-526	2.2500" Free Height
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	60-57	VK-115	1 groove; Square cut key groove
	32	Keeper	60-57	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	60-57	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	60-57	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	60-57	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	60-57	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	60-57	259-303ARS	.060"; ID .703"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Pin Bushing	60-59	1559VA	1.037" OD
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	60-57	E-248K Std-20-30-40-60	1-5/64, 1-3/32, 1-3/16
	1	Standard Set	60-57	E-248X Std-30-40-60	1-5/64, 1-3/32, 1-3/16
	8	Premium Single Cylinder Set	60-57	WE-248K Std-30	1-5/64, 1-3/32, 1-3/16
	8	Standard Single Cylinder Set	60-57	WE-248X Std-30-40	1-5/64, 1-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	60-59	8-3345P Std-1-10-20-30-40	
	8	Rod Pair	60-59	3345P Std-1-10-20-30-40	
	1	Cam Set	60-59	1164M Std Only	

6.4L 389 OHV V8 (Pontiac), 4.0625" Bore 1966-59 97

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	66-59	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
	1	Timing Chain	66-59	222-350	60 Links
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	66	CS-641	Eng. Codes "SE", "WW", "YL", "YW" & "YX"; 10.5:1 C.R.

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GM Car

97 6.4L 389 OHV V8 (Pontiac), 4.0625" Bore 1966-59 (cont.)

VALVE
TRAIN

VALVE
TRAIN

QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
1	Camshaft	66	CS-641	Eng. Codes "YU" & "YV"; 10.5:1 C.R.
1	Camshaft	66-65	CS-641	Eng. Codes "WA", "WB", "WC", "XA", "XB", "YA", "YC" & "YD"; 10.5:1 C.R.
1	Camshaft	66-65	CS-641	Eng. Codes "WE", "WT", "XC", "YE", "YF" & "YS"; 10.5:1 C.R.
1	Camshaft	65	CS-641	Eng. Codes "WD" & "YP"; 10.5:1 C.R.
1	Camshaft	65	CS-641	Eng. Codes "YB" & "YN"; 10.5:1 C.R.
1	Camshaft	64	CS-187	425E Engs.; w/A/T; Eng. Codes "O1A", "03A", "04L", "05L", "08R", "09R", "10A", "11H", "12H", "17M", "18M" & "19M"
1	Camshaft	63-62	CS-187	425E Engs.; w/A/T; Eng. Codes "O1A", "03B", "05A", "15H", "17H", "20L", "21L", "23H", "35M", "37M", "40R", "41M", "41R" & "44M"
1	Camshaft	61	CS-187	Eng. Codes "A1", "A2", "A5", "E3", "E7", "G4", "J1", "K5", "Q5", "R2", "S1", "S5", "W3" & "W7"; Catalina, Ventura; w/A/T
1	Camshaft	60	CS-187	Eng. Codes "A1", "A2", "E3", "G4", "J1" & "R2"; w/A/T
16	Lifter	66-59	HT-951 Std Only	Hyd.
16	Lifter, Bulk	66-59	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	66-60	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	66	KC-641	Eng. Codes "SE", "WW", "YL", "YW" & "YX"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	66	KC-641	Eng. Codes "YU" & "YV"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	66-65	KC-641	Eng. Codes "WA", "WB", "WC", "XA", "XB", "YA", "YC" & "YD"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	66-65	KC-641	Eng. Codes "WE", "WT", "XC", "YE", "YF" & "YS"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	65	KC-641	Eng. Codes "WD" & "YP"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	65	KC-641	Eng. Codes "YB" & "YN"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	64	KC-187	425E Engs.; w/A/T; Eng. Codes "O1A", "03A", "04L", "05L", "08R", "09R", "10A", "11H", "12H", "17M", "18M" & "19M"; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	63-62	KC-187	425E Engs.; w/A/T; Eng. Codes "O1A", "03B", "05A", "15H", "17H", "20L", "21L", "23H", "35M", "37M", "40R", "41M", "41R" & "44M"; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	61	KC-187	Eng. Codes "A1", "A2", "A5", "E3", "E7", "G4", "J1", "K5", "Q5", "R2", "S1", "S5", "W3" & "W7"; Catalina, Ventura; w/A/T; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	60	KC-187	Eng. Codes "A1", "A2", "E3", "G4", "J1" & "R2"; w/A/T; Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
1	Cam/Lifter/Timing Kit	66	KCT-641	Eng. Codes "SE", "WW", "YL", "YW" & "YX"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	66	KCT-641	Eng. Codes "YU" & "YV"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	66-65	KCT-641	Eng. Codes "WA", "WB", "WC", "XA", "XB", "YA", "YC" & "YD"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	66-65	KCT-641	Eng. Codes "WE", "WT", "XC", "YE", "YF", "YS"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	65	KCT-641	Eng. Codes "WD" & "YP"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	65	KCT-641	Eng. Codes "YB" & "YN"; 10.5:1 C.R.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	66-61	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
16	Push Rod	66-61	RP-3164	8.6930" O.A.L.
16	Push Rod	66-61	RP-316435	8.7280" O.A.L.
16	Push Rod	66-61	RP-316460	8.7530" O.A.L.
16	Push Rod	60-59	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	60-59	RP-3028	9.1360" O.A.L.
16	Push Rod, Bulk	66-61	BRP-3164	Carton of 100; 8.6930" O.A.L.
16	Push Rod, Bulk	60-59	BRP-3028	Carton of 100; 9.1360" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	66-61	R-848	Incl. arm & ball

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QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
16	Arm	66-61	R-848A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	66-65	V-1813 Std Only	10.5:1 C.R.; Chrome plated stem; 1.6400" Head Dia., .3410" Stem Dia., 4.8760" O.A.L.
8	Intake	66-65	V-1743 Std Only	10.5:1 C.R.; 1.9190" Head Dia., .3407" Stem Dia., 4.8940" O.A.L.
8	Intake	64-63	V-1532 Std Only	10.5:1 C.R.; 1.8820" Head Dia., .3409" Stem Dia., 4.8543" O.A.L.
8	Intake	62-61	V-1532 Std Only	Exc. Eng. I.D. Code T425A; 1.8820" Head Dia., .3409" Stem Dia., 4.8543" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	60-59	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
8	Guide	60-59	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.
8	Guide	60-59	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.
8	Guide	60-59	VG-5075T	Int.; Threaded; .3440" ID, 2.8750" O.A.L.
8	Guide, Bulk	60-59	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.
8	Guide, Bulk	60-59	VG-5075TB	Int.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	66-65	VS-651	Inner; 1.7600" Free Height
16	Spring	66-65	VS-665	Outer; 1.9400" Free Height
16	Spring	64	VS-445	Inner; 1.8120" Free Height
16	Spring	64	VS-446	Outer; 1.9800" Free Height
16	Spring	63	VS-445	Inner; Eng. Codes "01A", "03B", "05A", "15H", "17H", "20L", "21L", "23H", "35M", "37M", "40R", "41R" & "44M"; 1.8120" Free Height
16	Spring	63	VS-445	Inner; Eng. Codes "02B", "04B", "06B", "16K", "18K", "36P", "38P" & "45P"; 1.8120" Free Height
16	Spring	63	VS-446	Outer; Eng. Codes "01A", "03B", "05A", "15H", "17H", "20L", "21L", "23H", "35M", "37M", "40R", "41R" & "44M"; 1.9800" Free Height
16	Spring	63	VS-446	Outer; Eng. Codes "02B", "04B", "06B", "16K", "18K", "36P", "38P" & "45P"; 1.9800" Free Height
16	Spring	62-61	VS-445	Inner; Exc. Eng. I.D. Code T425A; 1.8120" Free Height
16	Spring	62-61	VS-446	Outer; Exc. Eng. I.D. Code T425A; 1.9800" Free Height
16	Spring	60-59	VS-445	Inner; Exc. w/3-2 Bbl. Carbs.; w/M/T; 1.8120" Free Height
16	Spring	60-59	VS-446	Outer; Exc. w/3-2 Bbl. Carbs.; w/M/T; 1.9800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	66-59	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	66-59	ST-2092	Positive type; Rubber
16	Valve Stem Seal	66-59	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	66-59	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	66-59	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	66-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	66-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	66-65	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
8	Int.	64-61	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	66-59	VK-115	1 groove; Square cut key groove
32	Keeper	66-59	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	66-59	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	66-59	259-301A	.060"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	66-59	288P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 10.1:1 C.R.
8	Cast Piston - Individual	66-59	W288P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 10.1:1 C.R.
8	Powerforged	66	L-2269F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.717" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Powerforged	65-63	L-2111F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.717" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs.
8	Powerforged	62-59	L-2111F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.717" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs.
8	Forged Piston - Individual	66	WL-2269F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.717" CD, .9802" Pin Dia., Flat Head w/2 valve reliefs. DurOshield® skirt coated piston.

(continued on next page)

GM Car

97 6.4L 389 OHV V8 (Pontiac), 4.0625" Bore 1966-59

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BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	66-59	E-253K30 30-40-60	2-5/64, 1-3/16
	1	Standard Set	66-59	E-253X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	66-59	WE-253K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	66-59	WE-253X30 30	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	66-59	4040M Std-1-10-20-30	Grooved upper main brgs.
	1	Rod Set	66	8-1555CPA Std-10-20-30-40	Eng. Codes "WS", "WV", "XS" & "YR"
	1	Rod Set	65	8-1555CPA Std-10-20-30-40	Eng. Codes "WF", "WS", "YG" & "YR"
	1	Rod Set	64	8-1555CPA Std-10-20-30-40	Eng. Codes "32B", "336", "33G", "34N", "76X" & "77J"
	1	Rod Set	63	8-1555CPA Std-10-20-30-40	Eng. Codes "07B", "266" & "48N"
	1	Rod Set	62	8-1555CPA Std-10-20-30-40	Eng. Codes "10B", "11B", "27J", "28J", "49N" & "50N"
	1	Rod Set	61	8-1555CPA Std-10-20-30-40	Eng. Codes "C0", "C4", "I9", "M0", "M4", "R19", "RC4", "RCO", "RM4", "RMO", "RV9" & "V9"
	1	Rod Set	60	8-1555CPA Std-10-20-30-40	Eng. Codes "C1", "C4", "M1" & "M4"
	1	Rod Set	59	8-1555CPA Std-10-20-30-40	w/3-2 Bbl. Carbs.
	8	Rod Pair	66	1555CPA Std-1-10-20-30-40	Eng. Codes "WS", "WV", "XS" & "YR"
	8	Rod Pair	65	1555CPA Std-1-10-20-30-40	Eng. Codes "WF", "WS", "YG" & "YR"
	1	Rod Pair	64	1555CPA Std-1-10-20-30-40	Eng. Codes "32B", "336", "33G", "34N", "76X" & "77J"
	1	Rod Pair	63	1555CPA Std-1-10-20-30-40	Eng. Codes "07B", "266" & "48N"
	1	Rod Pair	62	1555CPA Std-1-10-20-30-40	Eng. Codes "10B", "11B", "27J", "28J", "49N" & "50N"
	1	Rod Pair	61	1555CPA Std-1-10-20-30-40	Eng. Codes "C0", "C4", "I9", "M0", "M4", "R19", "RC4", "RCO", "RM4", "RMO", "RV9" & "V9"
	1	Rod Pair	60	1555CPA Std-1-10-20-30-40	Eng. Codes "C1", "C4", "M1" & "M4"
	8	Rod Pair	59	1555CPA Std-1-10-20-30-40	w/3-2 Bbl. Carbs.
	1	Cam Set	66-63	1220M Std Only	
	1	Cam Set	62-59	1146M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	66	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	65-61	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	60-59	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Inter. Shaft	66-59	224-61236	
	1	Screen Assy.	66	224-11236	3/4" inlet tube
	1	Screen Assy.	66	224-11232	5/8" inlet tube
	1	Screen Assy.	65	224-11232	Exc. Tempest; Eng. Codes "WA", "WB", "WC", "XA", "XB", "YA", "YB", "YC", "YD" & "YN; 5/8" inlet tube
	1	Screen Assy.	65-63	224-11236	3/4" inlet tube
	1	Screen Assy.	64	224-11232	Exc. Tempest; 5/8" inlet tube
	1	Screen Assy.	63	224-11232	5/8" inlet tube
	1	Screen Assy.	62-61	224-11236	3/4" inlet tube
	1	Screen Assy.	60-59	224-11232	5/8" inlet tube
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	66-59	381-8021	
	1	Steel Block Plug Kit	66-59	381-4028	

98 6.4L 390 OHV V8 (Cadillac), 4" Bore 1963-59

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	62-59	222-489	46 Links
	1	Crank Sprocket	63	223-337	18 Teeth
	1	Crank Sprocket	62-59	223-256	18 Teeth
	1	Cam Sprocket	62-59	223-255A	36 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	63	CS-554	
	1	Camshaft	62-59	CS-256	
	16	Lifter	63-59	HT-896 Std Only	Hyd.
	16	Lifter, Bulk	63-59	HT-896B Std Only	Hyd.; Carton of 126
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	63	RP-3100	9.1550" O.A.L.
	16	Push Rod	60-59	RP-3032	9.6000" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	63-59	V-1366 Std Only	1.5000" Head Dia., .3419" Stem Dia., 4.8248" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Intake	63-59	V-1367 Std Only	1.8750" Head Dia., .3420" Stem Dia., 4.7990" O.A.L.
	8	Guide	63-59	VG-503	.3450" ID, 2.2660" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	63-59	VS-485	2.2500" Free Height

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6.4L 390 OHV V8 (Cadillac), 4" Bore 1963-59 98
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QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	63-59	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	63-59	ST-2092	Positive type; Rubber
16	Valve Stem Seal Bulk	63-59	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	63-59	245-1625-4 Std Only	1.6305" OD, 1.3120" ID, .2175" Depth
8	Int.	63-59	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	63-59	VK-115	1 groove; Square cut key groove
32	Keeper	63-59	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	63-59	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	63-59	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	63-59	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	63-59	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	63-59	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	63-59	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	63-59	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	63	4419M Std-10-20-30	
1	Rod Set	63-59	8-2120CP Std-10-20	
8	Rod Pair	63-59	2120CP Std-10-20-30	
1	Cam Set	63	1216M Std Only	

6.5L 394 OHV V8 (Oldsmobile), 4.125" Bore 1964-59 99

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain	64-59	222-494	48 Links
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	64-59	RP-3024	9.2850" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	64-62	VG-584	Exh.; .3973" ID, 2.3800" O.A.L.
8	Guide	64-62	VG-538	Int.; .3450" ID, 2.3750" O.A.L.
8	Guide	61	VG-584	Exh.; Eng. Codes "F", "FE" & "FL"; .3973" ID, 2.3800" O.A.L.
8	Guide	61	VG-538	Int.; Eng. Codes "F", "FE" & "FL"; .3450" ID, 2.3750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	64-62	VS-526	2.2500" Free Height
16	Spring	61	VS-526	Eng. Codes "F", "FE" & "FL"; 2.2500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	64-59	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	64-59	MV-1796C	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
8	Valve Stem Seal Bulk	64-59	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	64-59	MV-1796	Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	64-59	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
8	Exh.	64-59	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
8	Int.	64-59	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	64-59	VK-115	1 groove; Square cut key groove
32	Keeper	64-59	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	64-59	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	64-59	259-303C	.015"; ID .703"; Carton of 100
16	Spring Insert	64-59	259-303B	.030"; ID .703"; Carton of 100
16	Spring Insert	64-59	259-303A	.060"; ID .703"; Carton of 100
16	Spring Insert	64-59	259-303ARS	.060"; ID .703"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Pin Bushing	64-61	1559VA	1.037" OD
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	64-59	E-243K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	64-59	E-243X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	64-59	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	64-59	WE-243X Std-20-30-40-60	2-5/64, 1-3/16

(continued on next page)

GM Car

99 6.5L 394 OHV V8 (Oldsmobile), 4.125" Bore 1964-59 (cont.)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Rod Set	64-61	8-3345P	Std-1-10-20-30-40	
	8	Rod Pair	64-61	3345P	Std-1-10-20-30-40	
	1	Cam Set	64-61	1164M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	64	224-41203		
	1	Oil Pump	64-59	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
	1	Oil Pump	63	224-41203	Must use O.E. baffle No. 384670 when replacing O.E. pump	
	1	Oil Pump	62-59	224-41203		
	1	Inter. Shaft	64-61	224-61203		
VALVE TRAIN	1	Screen Assy.	64-61	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	VALVE TRAIN
	1	Screen Assy.	64-61	224-11203	Will not fit O.E. pump; Use w/224-41203 pump; 5/8" inlet tube	
	1	Screen Assy.	60-59	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
	1	Screen Assy.	60-59	224-12203	Press-in tube	
	1	Tool	64-59	MT-J21882	Pump screen installation tool for 5/8" tube	

100 6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-65

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	69-65	KT3-501SA	w/2 Bbl. Carb.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393	
	1	Timing Chain	69-65	222-501	w/2 Bbl. Carb.; Silent type; 50 Links	
	1	Timing Chain	69-65	222-495	w/4 Bbl. Carb.; Silent type; 50 Links	
	1	Crank Sprocket	69-65	223-393	w/2 Bbl. Carb.; 19 Teeth	
	1	Cam Sprocket	69-65	223-392	w/2 Bbl. Carb.; 38 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	69-67	CS-636	w/2 Bbl. Carb.	
	1	Camshaft	66-65	CS-636	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal	
	1	Performance Cam	69-67	CS-165R	w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees	
VALVE TRAIN	1	Performance Cam	69-67	CS-1004R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees	VALVE TRAIN
	1	Performance Cam	69-67	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	69-67	CS-1015R	Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	66-65	CS-165R	w/4 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees	
	1	Performance Cam	66-65	CS-1004R	NOTE: An oil groove must be machined in the rear journal; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees	
	1	Performance Cam	66-65	CS-1088R	NOTE: An oil groove must be machined in the rear journal; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	66-65	CS-1015R	NOTE: An oil groove must be machined in the rear journal; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees	
	16	Lifter	69-65	HT-817	Std Only	
	16	Lifter	69-65	AT-992	Std Only	
	16	Lifter, Bulk	69-65	HT-817B	Std Only	
VALVE TRAIN	16	Lifter, Bulk	69-65	AT-992B	Std Only	VALVE TRAIN
	1	Prelube	69-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-67	KC-636	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-67	KC-1004R	w/2 Bbl. Carb.; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B	

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6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-65 100
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VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-67	KC-1088R	w/2 Bbl. Carb.; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	69-67	KC-1015R	w/2 Bbl. Carb.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	69-67	KC-165R	w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
	1	Cam/Lifter Kit	66-65	KC-636	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66-65	KC-1004R	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66-65	KC-1088R	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66-65	KC-1015R	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66-65	KC-165R	w/4 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69-67	KCT-636A	w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	66-65	KCT-636A	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	69-65	RP-3181	Exh.; .3125" dia.; 9.2520" O.A.L.
	8	Push Rod	69-65	RP-3103	Exh.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	69-65	RP-3215R	Exh.; Chrome-Moly; .375" tube dia.; 9.2520" O.A.L.
	8	Push Rod	69-65	RP-3218R	Exh.; Chrome-Moly; .437" tube dia.; 9.2520" O.A.L.
	8	Push Rod	69-65	RP-3182	Int.; .3125" dia.; 8.2800" O.A.L.
	8	Push Rod	69-65	RP-3104	Int.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	69-65	RP-3216R	Int.; Chrome-Moly; .375" tube dia.; 8.2800" O.A.L.
	8	Push Rod	69-65	RP-3217R	Int.; Chrome-Moly; .437" tube dia.; 8.2800" O.A.L.
	8	Push Rod, Bulk	69-65	BRP-3181	Exh.; .3125" dia.; Carton of 100; 9.2520" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	69-65	R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk	69-65	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm	69-65	R-851A	
	16	Pivot Ball	69-65	MR-1815	
	16	Nut	69-65	MR-1813	7/16" thread
	16	Stud	69-65	MR-1910RS	7/16" thread, 1.955" length, .710" depth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-65	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	69-65	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	69-65	V-1912 Std-3-15	w/2 Bbl. Carb.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	69-65	V-1905 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake, Bulk	69-65	V-1912B Std-15	w/2 Bbl. Carb.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.

(continued on next page)

GM Car

100 6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-65

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VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-65	VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
	8	Guide	69-65	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	69-65	VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
VALVE TRAIN	8	Guide, Bulk	69-65	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-65	VS-657	Single spring; Incl. damper; 2.1100" Free Height
	16	Spring	69-65	VS-708	The spring retainer must be replaced w/O.E. No. 3964264; Double spring; 2.1200" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-65	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	69-65	MV-1769C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	69-65	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	16	Valve Stem Seal Bulk	69-65	MV-1769	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-65	245-1812-4N Std Only	w/2 Bbl. Carb.; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	69-65	245-1812-4 Std Only	w/2 Bbl. Carb.; 1.8175" OD, 1.5625" ID, .2160" Depth
VALVE TRAIN	8	Int.	69-65	245-2250-1 Std Only	w/2 Bbl. Carb.; 2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-65	VK-138	1 groove; Square cut key groove
	32	Keeper	69-65	VK-138R	1 groove; Square cut key groove; Hardened
VALVE TRAIN	32	Keeper, Bulk	69-65	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	69-65	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	69-65	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	69-65	259-303B	.030"; ID .703"; Carton of 100
VALVE TRAIN	16	Spring Insert	69-65	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	69-65	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	69-65	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	69-65	259-303ARS	.060"; ID .703"; Carton of 500
VALVE TRAIN	16	Spring Insert	69-65	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	69-65	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	69-65	460P Std-30-40-60	Use w/E-232K or E-232X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.730 plus .200 step" CD, .9894" Pin Dia., Step Head - 9.6:1 C.R.; Fits both L.H. & R.H. banks
	8	Cast Piston - Individual	69-65	W460P Std-30-40-60	Use w/WE-232K or WE-232X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.730 plus .200 step" CD, .9894" Pin Dia., Step Head - 9.6:1 C.R.; Fits both L.H. & R.H. banks
	8	Powerforged	69	L-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high. DurOshield® skirt coated piston.
BLOCK	8	Powerforged	69	L-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .352" high. DurOshield® skirt coated piston.
	8	Powerforged	68	L-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high. DurOshield® skirt coated piston.
	8	Powerforged	68	L-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .352" high. DurOshield® skirt coated piston.
	8	Powerforged	67-65	L-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high. DurOshield® skirt coated piston.
BLOCK	8	Powerforged	67-65	L-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .352" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	69	WL-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high.
	8	Forged Piston - Individual	69	WL-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .335" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68	WL-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high.
BLOCK	8	Forged Piston - Individual	68	WL-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .335" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-65	WL-2240NF Std-30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high.

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6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-65 100
(cont.)

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Forged Piston - Individual	67-65	WL-2242F30 30-40-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .335" high. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	69-65	E-232K Std-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	69-65	E-232X Std-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	69-65	WE-232K Std-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	69-65	WE-232X Std-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	69-65	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Main Set	69-65	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.	
B L O C K	1	Rod Set	69-65	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings	B L O C K
	8	Rod Pair	69-65	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Cam Set	69-67	1404M Std Only	Babbitt material; Full round design	
	1	Cam Set	66-65	1255M Std Only	Groove in rear cam journal & brg.	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69	224-4154	w/2 Bbl. Carb.	
	1	Oil Pump	69	224-4153	w/4 Bbl. Carb.; High Volume, check pan for clearance; Use shaft w/steel guide	
	1	Oil Pump	68	224-4154	w/2 Bbl. Carb.; Replaces O.E. pump No. 3946026 w/welded screen; Must use w/224-1152 when replacing pump	
	1	Oil Pump	68	224-4153	w/4 Bbl. Carb.; High Volume, check pan for clearance; Use shaft w/steel guide	
	1	Oil Pump	67-65	224-4154	w/2 Bbl. Carb.	
B L O C K	1	Oil Pump	67-65	224-4153	w/4 Bbl. Carb.; High Volume, check pan for clearance; Use shaft w/steel guide	B L O C K
	1	Inter. Shaft	69	224-6154A	w/2 Bbl. Carb.; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide	
	1	Inter. Shaft	69	224-6154	w/4 Bbl. Carb.; Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide	
	1	Inter. Shaft	68	224-6154A	w/2 Bbl. Carb.; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide	
	1	Inter. Shaft	68	224-6154	w/4 Bbl. Carb.; Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide	
	1	Inter. Shaft	67-65	224-6154A	w/2 Bbl. Carb.; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide	
	1	Inter. Shaft	67-65	224-6154	w/4 Bbl. Carb.; Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide	
	1	Oil Pump Shaft Guide	69	224-43343	w/2 Bbl. Carb.; Nylon	
	1	Oil Pump Shaft Guide	68	224-43343	w/2 Bbl. Carb.; Nylon	
	1	Oil Pump Shaft Guide	67-65	224-43343	w/2 Bbl. Carb.; Nylon	
B L O C K	1	Screen Assy.	69	224-43620	w/4 Bbl. Carb.	B L O C K
	1	Screen Assy.	68	224-43620	w/4 Bbl. Carb.; Use w/224-4154 when replacing O.E. pump No. 3946026 w/welded screen	
	1	Screen Assy.	67	224-43620	w/4 Bbl. Carb.	
	1	Screen Assy.	66-65	224-1252	w/4 Bbl. Carb.	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-65	260-1009	w/2 Bbl. Carb.; Premium valve stem seals incl.	
	1	Kit Gasket Set	69-65	260-1717	w/4 Bbl. Carb.; w/Oval port heads; Header gskts. incl.; Complete set	
	1	Kit Gasket Set	69-65	260-1081	w/4 Bbl. Carb.; w/Rectangular port heads; Header gskts. incl.; Complete set	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-65	381-8009		
K I T S	1	Steel Block Plug Kit	69-65	381-4017		K I T S
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	69-65	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-686	205-186
			Re-ring w/Mains		205-686M	205-186M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	69	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain	Master		MKP-686C	MKP-186C
			Master w/o Pistons		MK-686C	MK-186C
	69	w/2 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-686C	505-186C

(continued on next page)

GM Car

100 6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-65 (cont.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	68	w/2 Bbl. Carb.; Replaces O.E. pump No. 3946026 w/welded screen; Must use w/224-1152 when replacing pump; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-686C MK-686C	MKP-186C MK-186C
	68	w/2 Bbl. Carb.; Replaces O.E. pump No. 3946026 w/welded screen; Must use w/224-1152 when replacing pump; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-686C	505-186C
	67	w/2 Bbl. Carb.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master Master w/o Pistons	MKP-686C MK-686C	MKP-186C MK-186C
	67	w/2 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-686C	505-186C
	66-65	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-686A	----
	66-65	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Timing kit not incl.	Master Master w/o Pistons	---- MK-686A	MKP-186A MK-186A
K I T S	66-65	w/2 Bbl. Carb.; NOTE: An oil groove must be machined in the rear journal; Premium valve stem seals incl.; Timing kit not incl.	Master w/o Rods & Mains	505-686A	505-186A

101 6.6L 400 OHV V8 (Oldsmobile), 4" Bore 1967-65

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	67-65	KT3-494SA5	Incl. (1) 222-494, (1) 223-360, (1) 223-361
	1	Timing Chain	67-65	222-494	48 Links
	1	Crank Sprocket	67-65	223-361	18 Teeth
	1	Cam Sprocket	67-65	223-360	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	67	CS-651	Eng. Code "VG"; Exc. O.A.I.
	1	Prelube	67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	67-66	RP-3112	9.4210" O.A.L.
	16	Push Rod	65	RP-3171	9.5940" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	67-65	R-856	Incl. 2-arms & 1-pivot assy.
	8	Arm Assy., Bulk	67-65	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
	8	Arm	67-65	R-856A	
	8	Pivot	67-65	MR-1903	
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	67-65	V-1772 Std Only	Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Intake	67-65	V-1776 Std Only	2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	67-65	VG-5038	.3430" ID, 2.1200" O.A.L.
	16	Guide, Bulk	67-65	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	67-65	VS-1618R	Incl. damper; 1.9940" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	67-65	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal Bulk	67-65	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	67-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	67-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	67-65	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-65	VK-115	1 groove; Square cut key groove
	32	Keeper	67-65	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	67-65	259-203C	.015"; Carton of 100
	16	Spring Insert	67-65	259-203B	.030"; Carton of 100
	16	Spring Insert	67-65	259-203BRS	.030"; Carton of 500
	16	Spring Insert	67-65	259-203A	.060"; Carton of 100

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6.6L 400 OHV V8 (Oldsmobile), 4" Bore 1967-65 **101**
(cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
16	Spring Insert	67-65	259-203ARS	.060"; Carton of 500
B	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	67-65	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	67-65	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	67-65	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set	67-65	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	67-65	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	67-65	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
B	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	67-65	4294M Std-1-10-20-30	
1	Rod Set	67-65	8-3345P Std-1-10-20-30-40	
8	Rod Pair	67-65	3345P Std-1-10-20-30-40	
1	Cam Set	67-65	1234M Std Only	Babbitt material; Full round design
B	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	67-65	224-41203	
1	Oil Pump	67-65	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen
1	Inter. Shaft	67-65	224-61203	
1	Screen Assy.	67-66	224-11203	Exc. Toronado; 5/8" inlet tube
1	Screen Assy.	67-66	224-12203	Toronado; Press-in tube
1	Screen Assy.	67-65	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump
1	Screen Assy.	65	224-11203	5/8" inlet tube
B	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	67-65	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	67-65	260-4021	
B	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	67-65	381-8020	
1	Steel Block Plug Kit	67-65	381-4020	

6.6L 400 OHV V8 (Oldsmobile), 3.87" Bore 1969-68 **102**

V	TIMING	YEARS	PART NO.	DESCRIPTION	V
1	3 Piece Set	69-68	KT3-494SA5	Incl. (1) 222-494, (1) 223-360, (1) 223-361	
1	Timing Chain	69-68	222-494	48 Links	
1	Crank Sprocket	69-68	RP-3197	18 Teeth	
1	Cam Sprocket	69-68	223-360	36 Teeth	
V	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V
1	Camshaft	69-68	CS-651	Hyd.	
16	Lifter	69-68	HT-951 Std Only	Hyd.; Carton of 128	
16	Lifter, Bulk	69-68	HT-951B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
1	Prelube	69-68	55-400		
V	CAM KIT	YEARS	PART NO.	DESCRIPTION	V
1	Cam/Lifter/Timing Kit	69-68	KCT-651A	Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-494SA5, (1) 55-403B	
V	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V
16	Push Rod	69-68	RP-3228R	Chrome-Moly; 9.5500" O.A.L.	
16	Push Rod	69-68	RP-3197	9.5460" O.A.L.	
16	Push Rod, Bulk	69-68	BRP-3197	Carton of 100; 9.5460" O.A.L.	
V	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V
8	Arm Assy.	69-68	R-856	Incl. 2-arms & 1-pivot assy.	
8	Arm Assy., Bulk	69-68	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64	
16	Arm	69-68	R-856A		
8	Pivot	69-68	MR-1903		
V	VALVE	YEARS	PART NO.	DESCRIPTION	V
8	Exhaust	69-68	V-1772 Std Only	Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.	
8	Intake	69-68	V-1776 Std Only	Eng. Codes "QR", "QS", "QT", "QU" & "QW"; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.	
8	Intake	68	V-1775 Std Only	Eng. Code "QL"; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.	
V	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	V
16	Spring	69-68	VS-1618R	Incl. damper; 1.9940" Free Height	
V	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	V
16	Valve Stem Seal	69-68	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
16	Valve Stem Seal	69-68	MV-1819C	Umbrella type; Nylon	
16	Valve Stem Seal Bulk	69-68	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	

(continued on next page)

GM Car

102 6.6L 400 OHV V8 (Oldsmobile), 3.87" Bore 1969-68

(cont.)

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal Bulk	69-68	MV-1819	Umbrella type; Carton of 50; Nylon
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	69-68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	69-68	245-2250-1 Std Only	Eng. Codes "QR", "QS", "QT", "QU" & "QW"; 2.2555" OD, 1.9375" ID, .1855" Depth
	8	Int.	68	245-2125-2 Std Only	Eng. Code "QL"; 2.1305" OD, 1.8750" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-68	VK-115	1 groove; Square cut key groove
	32	Keeper	69-68	VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	32	Keeper, Bulk	69-68	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	69-68	259-203C	.015"; Carton of 100
	16	Spring Insert	69-68	259-203B	.030"; Carton of 100
	16	Spring Insert	69-68	259-203BRS	.030"; Carton of 500
	16	Spring Insert	69-68	259-203A	.060"; Carton of 100
	16	Spring Insert	69-68	259-203ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Powerforged	69-68	L-2346F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.737" CD, .9805" Pin Dia., Recessed Head .032" deep x 2.380" dia.; DurOshield® skirt coated piston
	8	Forged Piston - Individual	69-68	WL-2346F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.737" CD, .9805" Pin Dia., Recessed Head .032" deep x 2.380" dia.; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Premium Set	69-68	E-298K30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-68	4294M Std-1-10-20-30	
	1	Rod Set	69-68	8-3345P Std-1-10-20-30-40	
	8	Rod Pair	69-68	3345P Std-1-10-20-30-40	
	1	Cam Set	69-68	1234M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	69-68	224-41203	
	1	Oil Pump	69-68	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen
	1	Inter. Shaft	69-68	224-61203	
BLOCK	1	Screen Assy.	69-68	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump
	1	Screen Assy.	69-68	224-11203	Exc. Toronado; 5/8" inlet tube
	1	Screen Assy.	69-68	224-12203	Toronado; Press-in tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	69-68	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	69-68	260-4021	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	69-68	381-8020	
	1	Steel Block Plug Kit	69-68	381-4020	

103 6.6L 400 OHV V8 (Buick), 4.04" Bore 1969-67

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	69-67	KT3-498S	223-398 not sold separately; Incl. (1) 222-498, (1) 223-369, (1) 223-398
	1	Timing Chain	69-67	222-498	48 Links
	1	Crank Sprocket	69-67	223-369	18 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69-67	CS-586	Use w/KT3-498S timing set
	16	Lifter	69-67	HT-969 Std Only	Use w/hollow push rods; Hyd.; w/.440" wide oil groove
	16	Lifter	69-67	HT-969R Std Only	Use w/hollow push rods; Speed-Pro Hi-Revolution Hyd.
	16	Lifter	69-67	HT-896 Std Only	Use w/solid push rods; Hyd.
	16	Lifter, Bulk	69-67	HT-969B Std Only	Use w/hollow push rods; Hyd.; Carton of 128
VALVE TRAIN	16	Lifter, Bulk	69-67	HT-969RB Std Only	Use w/hollow push rods; Speed-Pro Hi-Revolution Hyd.; Carton of 128
	16	Lifter, Bulk	69-67	HT-896B Std Only	Use w/solid push rods; Hyd.; Carton of 126
	1	Prelube	69-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-67	KC-586	Use w/hollow push rods; Use w/KT3-498S timing set; Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	69-67	RP-3202	9.3550" O.A.L.

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6.6L 400 OHV V8 (Buick), 4.04" Bore 1969-67 103
(cont.)

VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	69-68	R-857	Exh. 2-3-6-7
	8	Arm	69-68	R-857	Int. 1-4-5-8
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-67	V-1799 Std Only	Chrome plated stem; 1.6250" Head Dia., .3725" Stem Dia., 5.1620" O.A.L.
	8	Intake	69-67	V-1800 Std Only	Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-67	VG-5062	Int.; .3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-67	VS-712	Incl. damper; 2.2000" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-67	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
VALVE TRAIN	8	Exh.	69-67	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	69-67	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-67	VK-97	
	16	Spring Insert	69-67	259-100B	.030"; Carton of 100
	16	Spring Insert	69-67	259-100A	.060"; Carton of 100
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	69-67	E-286K Std-30-40-60	2-5/64, 1-3/16
	1	Standard Set	69-67	E-286X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	69-67	WE-286X30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-67	4664M Std-10-20-30	
BLOCK	1	Rod Set	69-67	8-3320CP Std-10-20-30-40	
	8	Rod Pair	69-67	3320CP Std-10-20-30-40	
	1	Cam Set	69-67	1422M Std Only	w/oil hole
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	69-67	224-415	
	1	Pump Repair Kit	69-67	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
BLOCK	1	Pump Repair Kit	69-67	224-519	Use w/224-518TP Thrust Plate kit
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	69-67	260-1150	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	69-67	260-4013	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	69-67	381-8003	

6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1976-70 104
VIN Codes "M" 1975, "R" 1972-75, "U" 1973-76

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	76-70	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Chain	76-70	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	76-70	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	76-70	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	76-70	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	76-75	CS-274	
	1	Camshaft	74	CS-274	Exc. w/Calif. emis.
	1	Camshaft	73	CS-274	Exc. w/Calif. emis.
	1	Camshaft	72	CS-274	Exc. w/Calif. emis.
	1	Camshaft	71-70	CS-274	
VALVE TRAIN	1	Performance Cam	76-70	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	76-70	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	76-70	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
	16	Lifter	76-70	HT-817 Std Only	Hyd.

(continued on next page)

GM Car

104 6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1976-70

(cont.) VIN Codes "M" 1975, "R" 1972-75, "U" 1973-76

VALVE TRAIN

VALVE TRAIN

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	(cont.) Lifter	76-70	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter, Bulk	76-70	HT-817B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	76-70	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	76-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	76-75	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-70	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-70	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-70	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	74-72	KC-274	Exc. w/Calif. emis.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71-70	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-75	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74-72	KCT-274	Exc. w/Calif. emis.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	71-70	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	76-70	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	76-70	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	76-70	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	76-70	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	76-70	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	76-70	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	76-70	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	76-70	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	76-70	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	76-70	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm	76-70	R-826A	
16	Pivot Ball	76-70	MR-1783	
16	Pivot Ball	76-70	MR-1822	H/D 4 groove ball
16	Stud	76-70	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud	76-70	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	76-73	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	72	V-1904 Std-3-15-30	VIN Code "R"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	70	V-4231 Std Only	w/2 Bbl. Carb.; Chrome plated stem; Swirl Polish; 1.6000" Head Dia., .3407" Stem Dia., 4.9000" O.A.L.
8	Exhaust, Bulk	76-73	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	72	V-1904B Std-15	VIN Code "R"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Intake	76	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	75-72	V-1926 Std-3-15	Exc. Police; Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	71-70	V-1612 Std-3	w/2 Bbl. Carb.; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	76	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	75-72	V-1926B Std-15	Exc. Police; Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	71-70	V-1612B Std Only	w/2 Bbl. Carb.; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	76-70	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	76-70	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.

(continued on next page)

6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1976-70 104

VIN Codes "M" 1975, "R" 1972-75, "U" 1973-76 (cont.)

VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	76-73	VS-727	Exh.; Incl. damper; 1.9100" Free Height
	8	Spring	76-73	VS-677	Int.; Incl. damper; 2.0300" Free Height
	16	Spring	72-70	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	16	Spring	72-70	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
	8	Spring, Bulk	76-73	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
	8	Spring, Bulk	76-73	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	72-70	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	72-70	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-70	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	76-70	MV-1903	Use w/VG-5038 repair guide; Positive type; Rubber
	16	Valve Stem Seal	76-70	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	76-70	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	76-70	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	76-73	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	76-73	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.	76-70	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	8	Exh.	72-70	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	8	Exh.	72-70	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-70	VK-115	1 groove; Square cut key groove
	32	Keeper	76-70	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-70	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	16	Spring Insert	76-70	259-203C	.015"; Carton of 100
	16	Spring Insert	76-70	259-203B	.030"; Carton of 100
	16	Spring Insert	76-70	259-203BRS	.030"; Carton of 500
	16	Spring Insert	76-70	259-203A	.060"; Carton of 100
	16	Spring Insert	76-70	259-203ARS	.060"; Carton of 500
	8	Rotocap	76-74	RC-157S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	76-70	400AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.
	8	Cast Piston - Individual	76-70	W400AP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings	76-70	8K400AP30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.
BLOCK	8	Powerforged	70	L-2352F30 30-40-60	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.555" CD, .9272" Pin Dia., Recessed Head .083" deep x 3.200" dia. w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	70	WL-2352F30 30-40	w/2 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.555" CD, .9272" Pin Dia., Recessed Head .083" deep x 3.200" dia. w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	76-70	E-243K Std-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	76-70	R-10374 Std-30-40-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	76-70	E-243X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	76-70	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	76-70	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	75-72	4926MA Std-1-10-20-30	VIN Code "R"; A-Series aluminum bearings
	1	Main Set	71-70	4926MA Std-1-10-20-30	A-Series aluminum bearings
	1	Rod Set	76-70	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	76-70	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set	75-72	8-2555A Std-1-2-10-20-30-40-50-60	VIN Code "R"; A-Series aluminum bearings
	1	Rod Set	75-72	8-2555CP Std-1-2-10-20-30-40-50	VIN Code "R"; 8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
	1	Rod Set	71-70	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	76-70	8-2555CA60 60	Unplated & resizeable
	8	Rod Pair	75-72	2555A Std-1-2-10-20-30-40-50-60	VIN Code "R"; A-Series aluminum bearings

(continued on next page)

GM Car

104 6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1976-70

(cont.) VIN Codes "M" 1975, "R" 1972-75, "U" 1973-76

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Rod Pair	75-72	2555CP Std-1-2-10-20-30-40-50	VIN Code "R"; Overplated copper-lead alloy
	8	Rod Pair	76-70	2555CA60 60	Unplated & resizeable
	1	Cam Set	75-72	1235M Std-1-10	VIN Code "R"; Babbitt material; Full round design
	1	Cam Set	75-72	1749M Std Only	VIN Code "R"; Bi-Metal Aluminum
	1	Cam Set	71-70	1235M Std-1-10	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	76-73	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
	1	Oil Pump	76-73	224-4146	5/8" inlet
	1	Oil Pump	72	224-4143	VIN Code "R"; High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
BLOCK	1	Oil Pump	72	224-4146	VIN Code "R"; 5/8" inlet
	1	Oil Pump	71-70	224-4146	5/8" inlet
	1	Inter. Shaft	76-73	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	76-73	224-6146	Use w/nylon shaft guide
	1	Inter. Shaft	72	224-6146E	VIN Code "R"; Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	72	224-6146	VIN Code "R"; Use w/nylon shaft guide
	1	Oil Pump Shaft Guide	76-70	224-43343	Nylon
	1	Screen Assy.	76-73	224-1246	5/8" inlet tube
	1	Screen Assy.	72	224-1246	VIN Code "R"; 5/8" inlet tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Kit Gasket Set	76-70	260-1016	
	2	Head Bolt Set	76-70	260-2500	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	76-73	381-8008	VIN Code "U"
	1	Brass Block Plug Kit	75	381-8008	VIN Code "M"
	1	Brass Block Plug Kit	75-72	381-8008	VIN Code "R"
	1	Brass Block Plug Kit	71-70	381-8008	

KITS	RE-RING KIT		YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	75-72	VIN Code "R"; Incl. A-Series aluminum bearings		Re-ring		205-6282	205-1282
				Re-ring w/Mains		205-6282M	205-1282M
	OVERHAUL KIT		YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	75	VIN Code "R"; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618A	MKP-118A
	75	VIN Code "R"; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains		505-618A	505-118A
	75	VIN Code "R"; Freeze plugs not incl.; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618D	MKP-118D
				Master w/o Pistons		MK-618D	----
	74-72	VIN Code "R"; Exc. w/Calif. emis.; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618A	MKP-118A
	74-72	VIN Code "R"; Exc. w/Calif. emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains		505-618A	505-118A
KITS	74-72	VIN Code "R"; Exc. w/Calif. emis.; Freeze plugs not incl.; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618D	MKP-118D
				Master w/o Pistons		MK-618D	----
	71-70	Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618A	MKP-118A
	71-70	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains		505-618A	505-118A
	71-70	Freeze plugs not incl.; Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master		MKP-618D	MKP-118D
				Master w/o Pistons		MK-618D	----

105 6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67

VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" 1976-79

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	79-67	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
1	Timing Chain	79-67	222-350	60 Links

(continued on next page)

6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67 105

VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" (cont.) 1976-79

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	78-77	CS-690	
1	Camshaft	76	CS-641	VIN Codes "S" & "Z"; w/A/T
1	Camshaft	75	CS-641	VIN Code "S"; w/A/T
1	Camshaft	74-72	CS-641	VIN Codes "S" & "T"; w/A/T
1	Camshaft	71	CS-641	Eng. Codes "WK", "WT" & "YS"; w/A/T
1	Camshaft	70-69	CS-641	w/2 Bbl. Carb.; w/M/T
1	Camshaft	70-69	CS-641	w/4 Bbl. Carb.; w/A/T
1	Camshaft	68	CS-641	w/2 Bbl. Carb.; w/M/T
1	Camshaft	68	CS-641	Grand Prix; Hi-Torque Eng.; w/4 Bbl. Carb.
1	Camshaft	67	CS-641	Firebird & Tempest; Hi-Torque Eng.; w/4 Bbl. Carb.
16	Lifter	79-71	HT-951 Std Only	Hyd.
16	Lifter	70-69	HT-951 Std Only	Exc. Ram Air; Hyd.
16	Lifter	70-67	HT-951R Std Only	w/Ram Air; Speed-Pro Hi-Revolution Hyd.
16	Lifter	68-67	HT-951 Std Only	Hyd.
16	Lifter, Bulk	79-71	HT-951B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	70-69	HT-951B Std Only	Exc. Ram Air; Hyd.; Carton of 128
16	Lifter, Bulk	70-67	HT-951RB Std Only	w/Ram Air; Hyd. Hi-Rev; Carton of 128
16	Lifter, Bulk	68-67	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	78-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	78-77	KC-690C	Hyd.; Incl. (1) CS-690, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	76	KC-641	VIN Codes "S" & "Z"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	75	KC-641	VIN Code "S"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	74-72	KC-641	VIN Codes "S" & "T"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	71	KC-641	Eng. Codes "WK", "WT" & "YS"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	70-69	KC-641	w/A/T; Exc. Ram Air; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	70-68	KC-641	w/2 Bbl. Carb.; w/M/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	68	KC-641	Grand Prix; w/4 Bbl. Carb.; Hi-Torque; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter/Timing Kit	76	KCT-641	VIN Codes "S" & "Z"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	75	KCT-641	VIN Code "S"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74-72	KCT-641	VIN Codes "S" & "T"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	71	KCT-641	Eng. Codes "WK", "WT" & "YS"; w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	70-69	KCT-641	w/A/T; Exc. Ram Air; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	70-68	KCT-641	w/2 Bbl. Carb.; w/M/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	68	KCT-641	Grand Prix; w/4 Bbl. Carb.; Hi-Torque; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	79-71	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	79-71	RP-3028	9.1360" O.A.L.
16	Push Rod	70	RP-3304	Ram Air III & IV Eng.; 9.2000" O.A.L.
16	Push Rod	70-68	RP-3229R	Exc. Ram Air; Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	70-68	RP-3028	Exc. Ram Air; 9.1360" O.A.L.
16	Push Rod	67	RP-3213R	w/o push rod guide plates; Chrome-Moly; 8.6900" O.A.L.
16	Push Rod	67	RP-3164	w/o push rod guide plates; 8.6930" O.A.L.
16	Push Rod	67	RP-316435	w/o push rod guide plates; 8.7280" O.A.L.
16	Push Rod	67	RP-316460	w/o push rod guide plates; 8.7530" O.A.L.
16	Push Rod	67	RP-3229R	w/push rod guide plates; Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	67	RP-3028	w/push rod guide plates; 9.1360" O.A.L.
16	Push Rod, Bulk	79-71	BRP-3028	Carton of 100; 9.1360" O.A.L.
16	Push Rod, Bulk	70-68	BRP-3028	Exc. Ram Air; Carton of 100; 9.1360" O.A.L.
16	Push Rod, Bulk	67	BRP-3164	w/o push rod guide plates; Carton of 100; 8.6930" O.A.L.
16	Push Rod, Bulk	67	BRP-3028	w/push rod guide plates; Carton of 100; 9.1360" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	79-70	R-1032	Incl. arm, ball & nut
16	Arm Assy.	69	R-1032	Exc. Ram Air; Incl. arm, ball & nut
16	Arm Assy.	68	R-1032	Incl. arm, ball & nut
16	Arm Assy.	67	R-848	w/o push rod guide plates; Incl. arm & ball

(continued on next page)

GM Car

105 6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67

(cont.) VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" 1976-79

VALVE TRAIN

VALVE TRAIN

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	67	R-1032	w/push rod guide plates; Incl. arm, ball & nut
16	Arm Assy., Bulk	79-70	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	69	R-1032B	Exc. Ram Air; Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	68	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	67	R-1032B	w/push rod guide plates; Incl. arm, ball & nut; Carton of 64
16	Arm	79-70	R-849A	
16	Arm	69	R-849A	Exc. Ram Air
16	Arm	68	R-849A	
16	Arm	67	R-848A	w/o push rod guide plates
16	Arm	67	R-849A	w/push rod guide plates
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	79-74	V-1963 Std Only	Chrome plated stem; 1.6610" Head Dia., .3410" Stem Dia., 4.9610" O.A.L.
8	Exhaust	73	V-1902 Std Only	Eng. Codes "WH", "YH", "YS" & "YW"; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	73	V-1963 Std Only	Exc. Eng. Codes "WH", "YH" & "YS"; Chrome plated stem; 1.6610" Head Dia., .3410" Stem Dia., 4.9610" O.A.L.
8	Exhaust	72	V-1832 Std Only	VIN Codes "P" & "R"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	72	V-1902 Std Only	VIN Codes "S" & "T"; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	71	V-1902 Std Only	Eng. Codes "WK", "WT" & "YS"; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	71	V-1832 Std Only	Eng. Codes "WS", "WX" & "YX"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	70	V-1832 Std Only	Eng. Codes "WE", "XX", "YB" & "YD"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	70	V-1823 Std Only	Exc. Ram Air; Eng. Codes "WH", "WK", "WS", "WT", "WW", "WX", "XH", "XJ", "XN", "XP", "XV", "XZ", "YS" & "YZ"; 1.6600" Head Dia., .3410" Stem Dia., 5.0820" O.A.L.
8	Exhaust	70	V-3923 Std Only	Ram Air III; Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.
8	Exhaust	69	V-1823 Std Only	w/2 Bbl. Carb.; 10.5:1 C.R.; 1.6600" Head Dia., .3410" Stem Dia., 5.0820" O.A.L.
8	Exhaust	69	V-1832 Std Only	w/2 Bbl. Carb.; 8.6:1 C.R.; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	69	V-3923 Std Only	w/4 Bbl. Carb.; Exc. Ram Air IV; Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.
8	Exhaust	68	V-1823 Std Only	w/2 Bbl. Carb.; 10.5:1 C.R.; 1.6600" Head Dia., .3410" Stem Dia., 5.0820" O.A.L.
8	Exhaust	68	V-1832 Std Only	w/2 Bbl. Carb.; 8.6:1 C.R.; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	68	V-3923 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.
8	Exhaust	67	V-1813 Std Only	w/2 Bbl. Carb.; 10.5:1 C.R.; Chrome plated stem; 1.6400" Head Dia., .3410" Stem Dia., 4.8760" O.A.L.
8	Exhaust	67	V-1946 Std Only	w/2 Bbl. Carb.; 10.75:1 C.R.; Chrome plated stem; 1.7756" Head Dia., .3409" Stem Dia., 5.0512" O.A.L.
8	Exhaust	67	V-1946 Std Only	VIN Codes "X" & "Y"; Chrome plated stem; 1.7756" Head Dia., .3409" Stem Dia., 5.0512" O.A.L.
8	Intake	79-75	V-1903 Std Only	Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
8	Intake	74-72	V-1964 Std Only	VIN Codes "P" & "R"; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 4.9800" O.A.L.
8	Intake	74-72	V-1903 Std Only	VIN Codes "S" & "T"; Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
8	Intake	71	V-1903 Std Only	Eng. Codes "WK", "WT" & "YS"; Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
8	Intake	71	V-1964 Std Only	Eng. Codes "WS", "WX" & "YX"; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 4.9800" O.A.L.
8	Intake	70	V-1964 Std Only	Eng. Codes "WE", "XX", "YB" & "YD"; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 4.9800" O.A.L.
8	Intake	69	V-1824 Std Only	w/2 Bbl. Carb.; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 5.0890" O.A.L.
8	Intake	69	V-1826 Std Only	w/4 Bbl. Carb.; Exc. Ram Air IV; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
8	Intake	68	V-1824 Std Only	w/2 Bbl. Carb.; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 5.0890" O.A.L.
8	Intake	68	V-1826 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
8	Intake	67	V-1743 Std Only	w/2 Bbl. Carb.; 10.5:1 C.R.; 1.9190" Head Dia., .3407" Stem Dia., 4.8940" O.A.L.

(continued on next page)

6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67 105

VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" (cont.) 1976-79

VALVE TRAIN	QTY 8	VALVE (cont.) Intake	YEARS 67	PART NO. V-1826 Std Only	DESCRIPTION w/2 Bbl. Carb.; 10.75:1 C.R.; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
	QTY 16	VALVE GUIDE Guide	YEARS 79-71	PART NO. VG-5002	DESCRIPTION .3420" ID, 3.0600" O.A.L.
	16	Guide	79-71	VG-5002T	Threaded; .3430" ID, 3.0630" O.A.L.
	16	Guide	70-68	VG-5002	Exc. Ram Air; .3420" ID, 3.0600" O.A.L.
	16	Guide	70-68	VG-5002T	Exc. Ram Air; Threaded; .3430" ID, 3.0630" O.A.L.
	16	Guide	67	VG-5002	.3420" ID, 3.0600" O.A.L.
	16	Guide	67	VG-5002T	Threaded; .3430" ID, 3.0630" O.A.L.
	16	Guide, Bulk	79-71	VG-5002B	Carton of 50; .3420" ID, 3.0600" O.A.L.
	16	Guide, Bulk	79-71	VG-5002TB	Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
	16	Guide, Bulk	70-68	VG-5002B	Exc. Ram Air; Carton of 50; .3420" ID, 3.0600" O.A.L.
	16	Guide, Bulk	70-68	VG-5002TB	Exc. Ram Air; Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
	16	Guide, Bulk	67	VG-5002B	Carton of 50; .3420" ID, 3.0600" O.A.L.
	16	Guide, Bulk	67	VG-5002TB	Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.
	QTY 16	VALVE SPRING Spring	YEARS 79-71	PART NO. VS-651	DESCRIPTION Inner; 1.7600" Free Height
	16	Spring	79-71	VS-665	Outer; 1.9400" Free Height
	16	Spring	70	VS-651	Inner; Eng. Codes "WE", "XX", "YB" & "YD"; 1.7600" Free Height
	16	Spring	70	VS-1433	Inner; Eng. Codes "WH", "WK", "WS", "WT", "WW", "WX", "XH", "XJ", "XN", "XP", "XV", "XZ", "YS" & "YZ"; Exc. Ram Air IV; 1.9350" Free Height
	16	Spring	70-69	VS-1580	Ram Air IV; Inner and outer assy.; 2.0870" Free Height
	16	Spring	70-69	VS-665	Outer; Exc. Ram Air IV; 1.9400" Free Height
	16	Spring	69	VS-651	Inner; 1.7600" Free Height
	16	Spring	68-67	VS-1580	Ram Air; Inner and outer assy.; 2.0870" Free Height
	16	Spring	68-67	VS-651	Inner; w/2 Bbl. Carb.; 1.7600" Free Height
	16	Spring	68-67	VS-665	Outer; Exc. Ram Air; 1.9400" Free Height
	16	Spring	67	VS-1433	Inner; VIN Codes "X" & "Y"; 1.9350" Free Height
VALVE TRAIN	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 79-67	PART NO. ST-2003	DESCRIPTION Positive type; Installation requires valve guide machining; Rubber
	16	Valve Stem Seal	79-67	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	79-67	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	79-67	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	79-67	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY 8	VALVE SEAT Exh.	YEARS 79-74	PART NO. 245-1750-2N Std Only	DESCRIPTION Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	79-74	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	79-74	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
	8	Int.	73-68	245-2125-1 Std Only	Use w/V-1824 & V-1964; 2.1305" OD, 1.8125" ID, .2480" Depth
	8	Int.	73-68	245-2125-2 Std Only	Use w/V-1903 & V-1826; 2.1305" OD, 1.8750" ID, .2480" Depth
	8	Exh.	73-67	245-1750-2N Std Only	Use w/V-1823, V-1832, V-1963 & V-1813; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	73-67	245-1750-2 Std Only	Use w/V-1823, V-1832, V-1963 & V-1813; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	73-67	245-1812-1N Std Only	Use w/V-1946, V-3923 & V-1902; Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
	8	Exh.	73-67	245-1812-1 Std Only	Use w/V-1946, V-3923 & V-1902; 1.8175" OD, 1.5625" ID, .2480" Depth
	8	Int.	67	245-2000-1 Std Only	Use w/V-1743; 2.0055" OD, 1.7500" ID, .2160" Depth
	8	Int.	67	245-2125-2 Std Only	Use w/V-1826; 2.1305" OD, 1.8750" ID, .2480" Depth
	QTY 32	VALVE, MISC Keeper	YEARS 79-67	PART NO. VK-115	DESCRIPTION 1 groove; Square cut key groove
	32	Keeper	79-67	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	79-67	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	79-67	259-305B	.030"; Carton of 100
	16	Spring Insert	79-67	259-305A	.060"; Carton of 100
	QTY 8	PISTON Cast Piston	YEARS 79-71	PART NO. 411NP Std-20-30-40-60	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston	70-69	411NP Std-20-30-40-60	Exc. Ram Air IV; Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.

(continued on next page)

GM Car

105 6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67

(cont.) VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" 1976-79

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	68	411NP Std-20-30-40-60	Exc. Ram Air; Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston	67	411NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston - Individual	79-71	W411NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston - Individual	70-69	W411NP Std-20-30-40-60	Exc. Ram Air IV; Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston - Individual	68	W411NP Std-20-30-40-60	Exc. Ram Air; Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Cast Piston - Individual	67	W411NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.700" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 7.6:1 C.R.
	8	Powerforged	74-68	L-2262F Std-20-30-40-60	10.75:1 C.R.; Powerforged; Pin wt. = 250 gr.; 2-5/64", 1-3/16" Ring Groove, 1.714" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	67	L-2262F Std-20-30-40-60	VIN Codes "X" & "Y"; Powerforged; Pin wt. = 250 gr.; 2-5/64", 1-3/16" Ring Groove, 1.714" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	74-68	WL-2262F Std-20-30-40-60	10.75:1 C.R.; Powerforged; Pin wt. = 250 gr.; 2-5/64", 1-3/16" Ring Groove, 1.714" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67	WL-2262F Std-20-30-40-60	VIN Codes "X" & "Y"; Powerforged; Pin wt. = 250 gr.; 2-5/64", 1-3/16" Ring Groove, 1.714" CD, .9802" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	79-67	E-299K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	79-67	E-299X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	79-67	WE-299K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	79-67	WE-299X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79-67	4040M Std-1-10-20-30	Grooved upper main brgs.
	1	Rod Set	79-67	8-1555CPA Std-10-20-30-40	
	8	Rod Pair	79-67	1555CPA Std-1-10-20-30-40	
	1	Cam Set	79-67	1220M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	79-75	224-43629	30% more pressure than 22443364S
	1	Oil Pump	79-74	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	73-72	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	71	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	70	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	69	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	68	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Oil Pump	67	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen
	1	Inter. Shaft	79-71	224-61236	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	79-71	260-1025	
	1	Kit Gasket Set	70-68	260-1025	Exc. Ram Air
	1	Kit Gasket Set	67	260-1025	Push rod cover gskt. not incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	79-67	381-8021	
	1	Steel Block Plug Kit	79-67	381-4028	
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	79-71	Re-ring		205-640	205-140
	79-71	Incl. grooved upper main brgs.		205-640M	205-140M
	70-68	Exc. Ram Air		205-640	205-140

(continued on next page)

6.6L 400 OHV V8 (Pontiac), 4.125" Bore 1979-67 105

VIN Codes "N" 1976, "P" 1972-74, "R" 1972-75, "S" 1972-76, "T" 1972-74, "X" 1967, "Y" 1967, "Z" (cont.) 1976-79

K I T S	RE-RING KIT (cont.)				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	70-68	Exc. Ram Air; Incl. grooved upper main brgs.	Re-ring w/Mains		205-640M	205-140M
	67	Push rod cover gskt. not incl.	Re-ring		205-640	205-140
	67	Push rod cover gskt. not incl.; Incl. grooved upper main brgs.	Re-ring w/Mains		205-640M	205-140M
	OVERHAUL KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	78-77	Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.	Master w/o Rods & Mains		505-640E	505-140E
	78-77	Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.; Incl. grooved upper main brgs.	Master Master w/o Pistons		MKP-640E MK-640E	MKP-140E MK-140E
	76	VIN Codes "S" & "Z"; w/A/T; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl.	Master w/o Rods & Mains	-----		505-140C

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6.6L 400 OHV V8 (Buick), 4.1875" Bore 1966-65 106

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	66-65	222-491	52 Links
	1	Crank Sprocket	66-65	223-276	19 Teeth
	1	Cam Sprocket	66-65	223-332N	Nylon; 38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	66-65	CS-564	
	16	Lifter	66-65	HT-896 Std Only	Hyd.
	16	Lifter, Bulk	66-65	HT-896B Std Only	Hyd.; Carton of 126
	1	Prelube	66-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	66-65	RP-3173	8.7230" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	66-65	V-1654 Std Only	1.5000" Head Dia., .3715" Stem Dia., 4.7880" O.A.L.
	8	Intake	66-65	V-1415 Std Only	1.8740" Head Dia., .3726" Stem Dia., 4.7953" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	66	VG-628	Exh.; .3745" ID, 2.7500" O.A.L.
	16	Guide	65	VG-628	Exh. & Int.; .3745" ID, 2.7500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	66-65	VS-527	Inner; 2.0100" Free Height
	16	Spring	66-65	VS-612	Outer; 2.0700" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	66-65	ST-2014	Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal Bulk	66-65	ST-2014BC	Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	66-65	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	66-65	VK-97	
	16	Spring Insert	66-65	259-100B	.030"; Carton of 100
	16	Spring Insert	66-65	259-100A	.060"; Carton of 100
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	66-65	E-287X Std-30-40	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	66-65	WE-287X Std-30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	66	4265M Std-10	

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GM Car

106 6.6L 400 OHV V8 (Buick), 4.1875" Bore 1966-65

(cont.)

B L O C K	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Rod Set	66	8-3320CP	Std-10-20-30-40	
	8	Rod Pair	66	3320CP	Std-10-20-30-40	
	1	Cam Set	66	1269M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	66-65	224-415		
	1	Pump Repair Kit	66-65	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions	
	1	Pump Repair Kit	66-65	224-519	Use w/224-518TP Thrust Plate kit	

107 6.6L 401 OHV V8 (Buick), 4.1875" Bore 1966-59

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	63-61	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334	
	1	Timing Chain	66-59	222-491	52 Links	
	1	Timing Chain	63-61	222-359	54 Links	
	1	Crank Sprocket	66-59	223-276	19 Teeth	
	1	Crank Sprocket	63-61	223-323	20 Teeth	
	1	Cam Sprocket	66-59	223-332N	Nylon; 38 Teeth	
	1	Cam Sprocket	63-61	223-334	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	66-59	CS-564		
	16	Lifter	66-59	HT-896	Std Only	
	16	Lifter, Bulk	66-59	HT-896B	Std Only	
	1	Prelube	66-59	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	66-59	RP-3173	8.7230" O.A.L.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	66-59	V-1654	Std Only	
	8	Intake	66-59	V-1415	Std Only	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	66	VG-628	Exh.; .3745" ID, 2.7500" O.A.L.	
	16	Guide	65-59	VG-628	Exh. & Int.; .3745" ID, 2.7500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	66-59	VS-527	Inner; 2.0100" Free Height	
	16	Spring	66-59	VS-612	Outer; 2.0700" Free Height	
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K
	16	Valve Stem Seal	66-59	ST-2014	Positive type; Installation requires valve guide machining; PTFE	
	16	Valve Stem Seal Bulk	66-59	ST-2014BC	Positive type; Installation requires valve guide machining; Carton of 100; PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	66-59	245-1562-1N	Std Only	
	8	Exh.	66-59	245-1562-1	Std Only	
	8	Int.	66-59	245-2000-1	Std Only	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	66-59	VK-97		
	16	Spring Insert	66-59	259-100B	.030"; Carton of 100	
	16	Spring Insert	66-59	259-100A	.060"; Carton of 100	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston	66-59	69P30	30-40-60	
	8	Cast Piston - Individual	66-59	W69P30	30-40-60	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	66-59	E-287X	Std-30-40	
	8	Standard Single Cylinder Set	66-59	WE-287X	Std-30	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	66-59	4265M	Std-10	
	1	Rod Set	66-59	8-3320CP	Std-10-20-30-40	
	8	Rod Pair	66-59	3320CP	Std-10-20-30-40	
	1	Cam Set	66-59	1269M	Std Only	
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Oil Pump	66-62	224-415		

6.6L 402 OHV V8 (Chevrolet), 4.125" Bore 1972-70 108

VIN Codes "S" 1972, "U" 1972

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	72-70	KT3-501SA	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
	1	Timing Chain	72-70	222-501	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Silent type; 50 Links
	1	Timing Chain	72-70	222-495	Spec. Hi-Perf.; w/4 Bbl. Carb.; Silent type; 50 Links
	1	Crank Sprocket	72-70	223-393	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 19 Teeth
	1	Cam Sprocket	72-70	223-392	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	72-70	CS-774	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.
	1	Performance Cam	72-70	CS-1004R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	72-70	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	72-70	CS-1015R	Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	72-70	CS-165R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
	16	Lifter	72-70	HT-817 Std Only	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.
	16	Lifter	72-70	AT-992 Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.
	16	Lifter, Bulk	72-70	HT-817B Std Only	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Carton of 128
	16	Lifter, Bulk	72-70	AT-992B Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Carton of 128
	1	Prelube	72-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	72-70	KC-774	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-774, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1004R	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1088R	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1015R	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-165R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-774	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-774, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	72-70	RP-3181	Exh.; .3125" dia.; 9.2520" O.A.L.
	8	Push Rod	72-70	RP-3103	Exh.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	72-70	RP-3215R	Exh.; Chrome-Moly; .375" tube dia.; 9.2520" O.A.L.
	8	Push Rod	72-70	RP-3218R	Exh.; Chrome-Moly; .437" tube dia.; 9.2520" O.A.L.
	8	Push Rod	72-70	RP-3182	Int.; .3125" dia.; 8.2800" O.A.L.
	8	Push Rod	72-70	RP-3104	Int.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	72-70	RP-3216R	Int.; Chrome-Moly; .375" tube dia.; 8.2800" O.A.L.
	8	Push Rod	72-70	RP-3217R	Int.; Chrome-Moly; .437" tube dia.; 8.2800" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3181	Exh.; .3125" dia.; Carton of 100; 9.2520" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3103	Exh.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3182	Int.; .3125" dia.; Carton of 100; 8.2800" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3104	Int.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	72-70	R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk	72-70	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm	72-70	R-851A	
	16	Pivot Ball	72-70	MR-1815	
	16	Nut	72-70	MR-1813	7/16" thread
	16	Stud	72-70	MR-1910RS	7/16" thread, 1.955" length, .710" depth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	72-71	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.

(continued on next page)

GM Car

108 6.6L 402 OHV V8 (Chevrolet), 4.125" Bore 1972-70

(cont.) VIN Codes "S" 1972, "U" 1972

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	70	V-1911 Std-3-15	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	70	V-1861 Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.8740" Head Dia., .3703" Stem Dia., 5.3622" O.A.L.
	8	Exhaust, Bulk	72-71	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	70	V-1911B Std-15	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	72-71	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	70	V-1912 Std-3-15	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	70	V-1905 Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake, Bulk	72-71	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	70	V-1912B Std-15	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	72-70	VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
	8	Guide	72-70	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	72-70	VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
	8	Guide, Bulk	72-70	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	72-70	VS-657	Single spring; Incl. damper; 2.1100" Free Height
	16	Spring	72-70	VS-708	The spring retainer must be replaced w/O.E. No. 3964264; Double spring; 2.1200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	72-70	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
VALVE TRAIN	16	Valve Stem Seal	72-70	MV-1769C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk	72-70	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	72-70	MV-1769	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	72-70	245-1812-4N Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	72-70	245-1812-4 Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	72-70	245-2250-1 Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; 2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	72-70	VK-138	1 groove; Square cut key groove
	32	Keeper	72-70	VK-138R	1 groove; Square cut key groove; Hardened
VALVE TRAIN	32	Keeper, Bulk	72-70	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	72-70	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	72-70	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	72-70	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	72-70	259-103B	.030"; ID 1.030"; Carton of 100
	16	Spring Insert	72-70	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	72-70	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	72-70	259-303ARS	.060"; ID .703"; Carton of 500
	16	Spring Insert	72-70	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	72-70	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	72-70	402P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.732 plus .125 crown" CD, .9894" Pin Dia., Crowned Head
	8	Cast Piston - Individual	72-70	W402P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.732 plus .125 crown" CD, .9894" Pin Dia., Crowned Head
	8	Powerforged	71	L-2354F30 * 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .169" high. DurOshield® skirt coated piston.
	8	Powerforged	70	L-2354F30 * 30	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .169" high. DurOshield® skirt coated piston.
BLOCK	8	Powerforged	70	L-2383F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .110" high w/1 valve relief. DurOshield® skirt coated piston.

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6.6L 402 OHV V8 (Chevrolet), 4.125" Bore 1972-70 108

VIN Codes "S" 1972, "U" 1972 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	8	Powerforged	70	L-2328F30 30-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .335" high. DurOshield® skirt coated piston.		
	8	Forged Piston - Individual	71	WL-2354F30 * 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .169" high. DurOshield® skirt coated piston.		
	8	Forged Piston - Individual	70	WL-2354F30 * 30	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .169" high. DurOshield® skirt coated piston.		
	8	Forged Piston - Individual	70	WL-2383F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Flat Head.		
	8	Forged Piston - Individual	70	WL-2328F30 30-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9897" Pin Dia., Domed Head .319" high. DurOshield® skirt coated piston.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	72-70	E-243K Std-20-30-40-60	2-5/64, 1-3/16		
	1	Standard Set	72-70	E-243X Std-20-30-40-60	2-5/64, 1-3/16		
	8	Premium Single Cylinder Set	72-70	WE-243K Std-20-30-40-60	2-5/64, 1-3/16		
	8	Standard Single Cylinder Set	72-70	WE-243X Std-20-30-40-60	2-5/64, 1-3/16		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	72-70	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings		
	1	Main Set	72-70	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.		
	1	Rod Set	72-70	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings		
	8	Rod Pair	72-70	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings		
1	Cam Set	72-70	1404M Std Only	Babbitt material; Full round design			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	72-70	224-4154	High Volume, check pan for clearance; Use shaft w/steel guide			
1	Oil Pump	72-70	224-4153				
1	Inter. Shaft	72-70	224-6154A	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide			
1	Inter. Shaft	72-70	224-6154	Spec. Hi-Perf.; w/4 Bbl. Carb.; Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide			
1	Oil Pump Shaft Guide	72-70	224-43343	Nylon			
1	Screen Assy.	72-70	224-43620				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	72-70	260-1009	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.			
1	Kit Gasket Set	72-70	260-1717	Hi-Perf.; w/4 Bbl. Carb.; w/Oval port heads; Header gskts. incl.; Complete set			
1	Kit Gasket Set	72-70	260-1081	Hi-Perf.; w/4 Bbl. Carb.; w/Rectangular port heads; Header gskts. incl.; Complete set			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	72-70	381-8009				
1	Steel Block Plug Kit	72-70	381-4017				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	72-70	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-661	205-161	
			Re-ring w/Mains		205-661M	205-161M	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
72-70	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains		505-661A	505-161A		
72-70	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings; Incl. silent type chain	Master		MKP-661A	MKP-161A		
		Master w/o Pistons		MK-661A	MK-161A		

6.6L 403 OHV V8 (Oldsmobile), 4.351" Bore 1979-77 109

VIN Code "K" 1977-79

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	79-77	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349
1	Timing Set w/Gaskets	79-77	CTS-1005	
1	Timing Chain	79-77	222-498	48 Links
1	Crank Sprocket	79-77	223-349	18 Teeth
1	Cam Sprocket	79-77	223-348	36 Teeth

(continued on next page)

GM Car

109 6.6L 403 OHV V8 (Oldsmobile), 4.351" Bore 1979-77

(cont.) VIN Code "K" 1977-79

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79-77	CS-707	
	16	Lifter	79-77	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	79-77	HT-951B Std Only	Hyd.; Carton of 128
VALVE TRAIN	1	Prelube	79-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-77	KC-707	Hyd.; Incl. (1) CS-707, (16) HT-951, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-77	KCT-707	Hyd.; Incl. (1) CS-707, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	79-77	RP-3174	8.2340" O.A.L.
	16	Push Rod, Bulk	79-77	BRP-3174	Carton of 100; 8.2340" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Arm Assy.	79-77	R-856	Incl. 2-arms & 1-pivot assy.
	8	Arm Assy., Bulk	79-77	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
	16	Arm	79-77	R-856A	
	8	Pivot	79-77	MR-1903	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	79-77	V-2061 Std-15	Chrome plated stem; 1.5020" Head Dia., .3423" Stem Dia., 4.6880" O.A.L.
	8	Exhaust, Bulk	79-77	V-2061B15 15	Chrome plated stem; Carton of 25; 1.5020" Head Dia., .3573" Stem Dia., 4.6880" O.A.L.
	8	Intake	79-77	V-2304 Std Only	Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
VALVE TRAIN	8	Intake	79-77	V-1775 Std Only	1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	79-77	VG-5038	.3430" ID, 2.1200" O.A.L.
	16	Guide, Bulk	79-77	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	79-77	VS-721	1.9600" Free Height
	16	Spring, Bulk	79-77	VS-721B	Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Valve Stem Seal	79-77	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal	79-77	MV-1819C	Int.; Umbrella type; Nylon
	16	Valve Stem Seal Bulk	79-77	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	79-77	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	79-77	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	79-77	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
	8	Int.	79-77	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	79-77	VK-115	1 groove; Square cut key groove
	32	Keeper	79-77	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	79-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
VALVE TRAIN	16	Spring Insert	79-77	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	79-77	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	79-77	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	79-77	259-303ARS	.060"; ID .703"; Carton of 500
VALVE TRAIN	8	Rotocap	79-77	RC-140	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	79-77	466NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.595" CD, .9804" Pin Dia., Recessed Head .150" deep x 3.250" dia. - 7.9:1 C.R.
	8	Cast Piston	79-77	466P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.595" CD, .9804" Pin Dia., Recessed Head .150" deep x 3.250" dia. - 7.9:1 C.R.; When depleted use 466NP
	8	Cast Piston - Individual	79-77	W466NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.595" CD, .9804" Pin Dia., Recessed Head .150" deep x 3.250" dia. - 7.9:1 C.R.
BLOCK	8	Cast Piston - Individual	79-77	W466P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.595" CD, .9804" Pin Dia., Recessed Head .150" deep x 3.250" dia. - 7.9:1 C.R.; When depleted use W466NP
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	79-77	E-378K Std-20-30-40	2-5/64, 1-3/16
	1	Standard Set	79-77	E-378X Std-20-30-40	2-5/64, 1-3/16
BLOCK	8	Premium Single Cylinder Set	79-77	WE-378K Std-30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	79-77	WE-378X Std-20-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79-77	4281M Std-1-10-20-30-40	3.824" max. flange OD

(continued on next page)

6.6L 403 OHV V8 (Oldsmobile), 4.351" Bore 1979-77 109

VIN Code "K" 1977-79 (cont.)

B L O C K	ENGINE BEARINGS (cont.)				
	QTY		YEARS	PART NO.	DESCRIPTION
	1	Rod Set	79-77	8-3045A Std-10-20-30-40	A-Series aluminum bearings
	1	Rod Set	79-77	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	79-77	8-3045APA Std-1	Overplated alum. alloy
	1	Rod Set	79-77	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy
	8	Rod Pair	79-77	3045A Std-1-10-20-30-40	A-Series aluminum bearings
	8	Rod Pair	79-77	3045APA Std Only	Overplated alum. alloy
	1	Cam Set	79-78	1466M Std Only	Full round design
	1	Cam Set	79-78	1787M Std Only	O.E. split type design
1	Cam Set	77	1234M Std Only	Babbitt material; Full round design	
1	Cam Set	77	1789M Std Only	O.E. split type design	
O I L P U M P	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	79-77	224-41203	
	1	Oil Pump	79-77	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen
	1	Inter. Shaft	79-77	224-61203	
	1	Screen Assy.	79-77	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump
	1	Screen Assy.	79-77	224-11203	5/8" inlet tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	79-77	260-1104	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	79-77	260-4001	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	79-77	381-8047		
1	Steel Block Plug Kit	79-77	381-4020		
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	79-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; w/3.824" max. brg. flange OD; Premium valve stem seals incl.	Re-ring w/Mains	205-695M	205-195M
	79-77	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-695	205-195
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
79-78	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-695A	505-195A	
79-78	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; w/3.824" max. brg. flange OD	Master Master w/o Pistons	MKP-695B MK-695B	MKP-195B MK-195B	
6.7L 409 OHV V8 (Chevrolet), 4.3125" Bore 1965-61 110					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	65-62	222-494	48 Links
	1	Crank Sprocket	65-62	223-262	18 Teeth
	1	Cam Sprocket	65-62	223-261	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	65-63	CS-171	w/4 Bbl. Carb.; Use w/Hyd. lifters
	16	Lifter	65-63	AT-992 Std Only	w/3-2 Bbl. Carbs.; Mech.
	16	Lifter	65-63	HT-817 Std Only	w/4 Bbl. Carb.; Hyd.
	16	Lifter	62-61	AT-992 Std Only	Mech.
	16	Lifter, Bulk	65-63	AT-992B Std Only	w/3-2 Bbl. Carbs.; Mech.; Carton of 128
16	Lifter, Bulk	65-63	HT-817B Std Only	w/4 Bbl. Carb.; Hyd.; Carton of 128	
16	Lifter, Bulk	62-61	AT-992B Std Only	Mech.; Carton of 128	
1	Prelube	65-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
8	Push Rod	65-62	RP-3028	Exh.; w/4 Bbl. Carb.; 9.1360" O.A.L.	
16	Push Rod	65-62	RP-3318	Exh. & Int.; w/4 Bbl. Carb.; 8.8300" O.A.L.	
8	Push Rod	65-62	RP-3102	Int.; w/4 Bbl. Carb.; 8.7780" O.A.L.	
8	Push Rod, Bulk	65-62	BRP-3028	Exh.; w/4 Bbl. Carb.; Carton of 100; 9.1360" O.A.L.	
8	Push Rod, Bulk	65-62	BRP-3102	Int.; w/4 Bbl. Carb.; Carton of 25; 8.7780" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
16	Arm Assy.	65-61	R-827	Incl. arm, ball & nut	
16	Pivot Ball	65-61	MR-1780		
16	Nut	65-61	MR-1751	Self-locking, 3/8" x 24 threads	
16	Stud	65-61	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
16	Stud	65-61	MR-1949	3/8" x 24 x 2.495"	

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GM Car

110 6.7L 409 OHV V8 (Chevrolet), 4.3125" Bore 1965-61

(cont.)

V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Guide	65-61	VG-5033	Exh.; w/4 Bbl. Carb.; Exc. Chrome plated valve stem; .3735" ID, 2.6200" O.A.L.	
	8	Guide	65-61	VG-5062	Int.; Plain; .3735" ID, 2.3800" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	65-64	VS-521	Outer; W/4 Bbl. Carb.; Incl. damper; 2.1090" Free Height	
	8	Spring	63-62	VS-521	Outer; Incl. damper; 2.1090" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	65-61	ST-2002	Installation requires valve guide machining; Polyacrylate	
	16	Valve Stem Seal Bulk	65-61	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	65-62	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth		
8	Exh.	65-62	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth		
8	Int.	65-62	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	65-62	VK-138	1 groove; Square cut key groove		
32	Keeper	65-62	VK-138R	1 groove; Square cut key groove; Hardened		
32	Keeper, Bulk	65-62	VK-138B	1 groove; Square cut key groove; Carton of 1000		
16	Spring Insert	65-62	259-103C	.015"; ID 1.030"; Carton of 100		
16	Spring Insert	65-62	259-103B	.030"; ID 1.030"; Carton of 100		
16	Spring Insert	65-62	259-103BRS	.030"; ID 1.030"; Carton of 500		
16	Spring Insert	65-62	259-103A	.060"; ID 1.030"; Carton of 100		
16	Spring Insert	65-62	259-103ARS	.060"; ID 1.030"; Carton of 500		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	65-62	E-289K Std-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	65-62	E-289X Std-30	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	65-62	WE-289K30 30-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	65-62	WE-289X Std-30	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	65-62	4036M Std-10-20	A-Series aluminum bearings	
	1	Rod Set	65-62	8-3190A Std-1-2-10-20-30-40-60		
	8	Rod Pair	65-62	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Cam Set	65-62	1177M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	65-62	224-4146A	High Pressure; 5/8" inlet	
	1	Oil Pump	65-62	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	65-62	224-4146	5/8" inlet	
1	Oil Pump Shaft Guide	65-62	224-43343	Nylon		
1	Screen Assy.	65-62	224-1146	5/8" inlet		

111 6.9L 421 OHV V8 (Pontiac), 4.0938" Bore 1966-61

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	66-63	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371	
	1	Timing Chain	66-63	222-350	60 Links	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	66	CS-641	Eng. Codes "WG", "WK", "YH" & "YT"	
	1	Camshaft	65	CS-641	Eng. Codes "WG" & "YH"	
	16	Lifter	66-63	HT-951 Std Only	Hyd.	
	16	Lifter, Bulk	66-63	HT-951B Std Only	Hyd.; Carton of 128	
	1	Prelube	66-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	1	Cam/Lifter Kit	66	KC-641	Eng. Codes "WG", "WK", "YH" & "YT"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B	V A L V E T R A I N
	1	Cam/Lifter Kit	65	KC-641	Eng. Codes "WG" & "YH"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	66	KCT-641	Eng. Codes "WG", "WK", "YH" & "YT"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	65	KCT-641	Eng. Codes "WG" & "YH"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	66-63	RP-3213R	Chrome-Moly; 8.6900" O.A.L.	
	16	Push Rod	66-63	RP-3164	8.6930" O.A.L.	
	16	Push Rod	66-63	RP-316435	8.7280" O.A.L.	
	16	Push Rod	66-63	RP-316460	8.7530" O.A.L.	

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6.9L 421 OHV V8 (Pontiac), 4.0938" Bore 1966-61 **111**

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QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
16	Push Rod, Bulk	66-63	BRP-3164	Carton of 100; 8.6930" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	66	R-848	Eng. Codes "WG", "WK", "YH" & "YT"; Incl. arm & ball
16	Arm Assy.	65	R-848	Eng. Codes "WG" & "YH"; Incl. arm & ball
16	Arm Assy.	64	R-848	Eng. Codes "35B", "38S" & "43N"; Incl. arm & ball
16	Arm Assy.	63	R-848	Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"; Incl. arm & ball
16	Arm	66	R-848A	Eng. Codes "WG", "WK", "YH" & "YT"
16	Arm	65	R-848A	Eng. Codes "WG" & "YH"
16	Arm	64	R-848A	Eng. Codes "35B", "38S" & "43N"
16	Arm	63	R-848A	Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	66-63	V-1813 Std Only	Chrome plated stem; 1.6400" Head Dia., .3410" Stem Dia., 4.8760" O.A.L.
8	Intake	66-63	V-1743 Std Only	1.9190" Head Dia., .3407" Stem Dia., 4.8940" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	66	VS-651	Inner; Eng. Codes "WG", "WK", "YH" & "YT"; 1.7600" Free Height
16	Spring	66	VS-665	Outer; Eng. Codes "WG", "WK", "YH" & "YT"; 1.9400" Free Height
16	Spring	65	VS-651	Inner; Eng. Codes "WG" & "YH"; 1.7600" Free Height
16	Spring	65	VS-665	Outer; Eng. Codes "WG" & "YH"; 1.9400" Free Height
16	Spring	64	VS-445	Inner; Eng. Codes "35B", "38S" & "43N"; 1.8120" Free Height
16	Spring	64	VS-446	Outer; Eng. Codes "35B", "38S" & "43N"; 1.9800" Free Height
16	Spring	63	VS-445	Inner; Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"; 1.8120" Free Height
16	Spring	63	VS-446	Outer; Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"; 1.9800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	66-63	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	66-63	ST-2092	Positive type; Rubber
12	Valve Stem Seal	66	MV-1233C	Eng. Codes "WG", "WK", "YH" & "YT"; O-Ring; Rubber
12	Valve Stem Seal	65	MV-1233C	Eng. Codes "WG" & "YH"; O-Ring; Rubber
12	Valve Stem Seal	64	MV-1233C	Eng. Codes "35B", "38S" & "43N"; O-Ring; Rubber
16	Valve Stem Seal	63	MV-1233C	Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"; O-Ring; Rubber
16	Valve Stem Seal Bulk	66	MV-1233	Eng. Codes "WG", "WK", "YH" & "YT"; O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	66-63	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
12	Valve Stem Seal Bulk	65	MV-1233	Eng. Codes "WG" & "YH"; O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	64	MV-1233	Eng. Codes "35B", "38S" & "43N"; O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	63	MV-1233	Eng. Codes "08B", "125", "22B", "25G", "34J", "43N" & "47Q"; O-Ring; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	66-63	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	66-63	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	66-63	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	66-63	VK-115	1 groove; Square cut key groove
32	Keeper	66-63	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	66-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	66-63	259-301A	.060"; Carton of 100
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	66-63	E-232K Std-30-40-60	2-5/64, 1-3/16
1	Standard Set	66-63	E-232X Std-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	66-63	WE-232K Std-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	66-63	WE-232X Std-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	66-61	4221M Std-10-20-30	
1	Rod Set	66-61	8-1555CPA Std-10-20-30-40	
8	Rod Pair	66-61	1555CPA Std-1-10-20-30-40	
1	Cam Set	66-63	1220M Std Only	
1	Cam Set	62-61	1146M Std Only	

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GM Car

111 6.9L 421 OHV V8 (Pontiac), 4.0938" Bore 1966-61

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BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	66-63	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen	
	1	Inter. Shaft	66-63	224-61236		
	1	Screen Assy.	66-63	224-11236	3/4" inlet tube	
	1	Screen Assy.	66-63	224-11232	5/8" inlet tube	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	66-63	381-8021		
	1	Steel Block Plug Kit	66-63	381-4028		

112 7.0L 425 OHV V8 (Cadillac), 4.082" Bore 1979-77

VIN Codes "S" 1977-79, "T" 1977-79

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	79-77	KT3-498SA1	Incl. (1) 222-498, (1) 223-404, (1) 223-405	
	1	Timing Chain	79-77	222-498	48 Links	
	1	Crank Sprocket	79-77	223-405	18 Teeth	
	1	Cam Sprocket	79-77	223-404	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	79-77	CS-656		
	16	Lifter	79-77	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	16	Lifter, Bulk	79-77	HT-969B Std Only	Hyd.; Carton of 128	
	1	Prelube	79-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	79-77	KC-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	79-77	KCT-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) KT3-498SA1, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	79-77	RP-3178	10.1980" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Pivot	79-77	MR-1914		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	79-77	VS-485	2.2500" Free Height	
	16	Retainer	79-77	VSR-7013		
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal	79-77	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
	16	Valve Stem Seal	79-77	ST-2092	Positive type; Rubber	
	16	Valve Stem Seal Bulk	79-77	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	79-77	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Exh.	79-77	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
	8	Int.	79-77	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	79-77	VK-115	1 groove; Square cut key groove	
BLOCK	32	Keeper	79-77	VK-115R	1 groove; Square cut key groove; Hardened	BLOCK
	32	Keeper, Bulk	79-77	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	79-77	259-303C	.015"; ID .703"; Carton of 100	
	16	Spring Insert	79-77	259-303B	.030"; ID .703"; Carton of 100	
	16	Spring Insert	79-77	259-303A	.060"; ID .703"; Carton of 100	
	16	Spring Insert	79-77	259-303ARS	.060"; ID .703"; Carton of 500	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	79-77	473P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 2.005" CD, .9996" Pin Dia., Flat Head - 8.2:1 C.R.	
	8	Cast Piston - Individual	79-77	W473P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 2.005" CD, .9996" Pin Dia., Flat Head - 8.2:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	8	Standard Single Cylinder Set	79-77	WE-380X Std-30	2-5/64, 1-3/16	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	79-77	4906MA	A-Series aluminum bearings	
	1	Main Set	79-77	7430MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.	
	1	Rod Set	79-77	8-3345P Std-1-10-20-30-40		
	8	Rod Pair	79-77	3345P Std-1-10-20-30-40		
	1	Cam Set	79-77	1216M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	79-77	224-5128		

(continued on next page)

7.0L 425 OHV V8 (Cadillac), 4.082" Bore 1979-77 **112**

VIN Codes "S" 1977-79, "T" 1977-79 (cont.)

QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	79-77	381-8004	

7.0L 425 OHV V8 (Oldsmobile), 4.125" Bore 1967-65 113				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67-65	KT3-494SA5	Incl. (1) 222-494, (1) 223-360, (1) 223-361
1	Timing Chain	67-65	222-494	48 Links
1	Crank Sprocket	67-65	223-361	18 Teeth
1	Cam Sprocket	67-65	223-360	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	67-66	HT-951 Std Only	Exc. Toronado; Hyd.
16	Lifter	65	HT-951 Std Only	Hyd.
16	Lifter, Bulk	67-66	HT-951B Std Only	Exc. Toronado; Hyd.; Carton of 128
16	Lifter, Bulk	65	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	67-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	67	RP-3200	9.6210" O.A.L.
16	Push Rod	66	RP-3171	Exc. Toronado; 9.5940" O.A.L.
16	Push Rod	66-65	RP-3112	Toronado; 9.4210" O.A.L.
16	Push Rod	65	RP-3171	9.5940" O.A.L.
16	Push Rod, Bulk	67	BRP-3200	Carton of 100; 9.6210" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	67-65	R-856	Incl. 2-arms & 1-pivot assy.
8	Arm Assy., Bulk	67-65	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
16	Arm	67-65	R-856A	
8	Pivot	67-65	MR-1903	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	67-66	V-1772 Std Only	Toronado; Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
8	Exhaust	65	V-1772 Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
8	Intake	67-66	V-2304 Std Only	Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
8	Intake	67-66	V-1775 Std Only	1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
8	Intake	65	V-1775 Std Only	Spec. Hi-Perf.; w/4 Bbl. Carb.; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	67-65	VG-5038	.3430" ID, 2.1200" O.A.L.
16	Guide, Bulk	67-65	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	67-65	VS-1618R	Incl. damper; 1.9940" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	67-65	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal Bulk	67-65	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	67-65	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	67-65	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	67-65	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	67-65	VK-115	1 groove; Square cut key groove
32	Keeper	67-65	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	67-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	67-65	259-303C	.015"; ID .703"; Carton of 100
16	Spring Insert	67-65	259-303B	.030"; ID .703"; Carton of 100
16	Spring Insert	67-65	259-303A	.060"; ID .703"; Carton of 100
16	Spring Insert	67-65	259-303ARS	.060"; ID .703"; Carton of 500
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	67-65	E-243K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	67-65	E-243X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	67-65	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	67-65	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	67-65	4294M Std-1-10-20-30	
1	Rod Set	67-65	8-3345P Std-1-10-20-30-40	
8	Rod Pair	67-65	3345P Std-1-10-20-30-40	
1	Cam Set	67-65	1234M Std Only	Babbitt material; Full round design

(continued on next page)

GM Car

113 7.0L 425 OHV V8 (Oldsmobile), 4.125" Bore 1967-65

(cont.)

B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Oil Pump	67-65	224-41203		
	1	Oil Pump	67-65	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
	1	Inter. Shaft	67-65	224-61203		
	1	Screen Assy.	67-65	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
	1	Screen Assy.	67-65	224-12203	Press-in tube	
	1	Screen Assy.	67-65	224-11203	5/8" inlet tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	67-65	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	67-65	260-4021		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	67-65	381-8020		
	1	Steel Block Plug Kit	67-65	381-4020		
RE-RING KIT						
YEARS		DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
67-65		Int. manifold gskt. not incl.; Premium valve stem seals incl.		Re-ring	205-674	205-174

114 7.0L 425 OHV V8 (Buick), 4.3125" Bore 1966-63

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Chain	66-63	222-491	52 Links	
	1	Crank Sprocket	66-63	223-276	19 Teeth	
	1	Cam Sprocket	66-63	223-332N	Nylon; 38 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	66-63	CS-564		
	16	Lifter	66-63	HT-896 Std Only	Hyd.	
	16	Lifter, Bulk	66-63	HT-896B Std Only	Hyd.; Carton of 126	
	1	Prelube	66-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
B L O C K	16	Push Rod	66-63	RP-3173	8.7230" O.A.L.	B L O C K
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	66-63	V-1654 Std Only	1.5000" Head Dia., .3715" Stem Dia., 4.7880" O.A.L.	
	8	Intake	66-63	V-1415 Std Only	1.8740" Head Dia., .3726" Stem Dia., 4.7953" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	66	VG-628	Exh.; .3745" ID, 2.7500" O.A.L.	
	16	Guide	65-63	VG-628	Exh. & Int.; .3745" ID, 2.7500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	66-63	VS-527	Inner; 2.0100" Free Height	
	16	Spring	66-63	VS-612	Outer; 2.0700" Free Height	
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K
	16	Valve Stem Seal	66-63	ST-2014	Positive type; Installation requires valve guide machining; PTFE	
	16	Valve Stem Seal Bulk	66-63	ST-2014BC	Positive type; Installation requires valve guide machining; Carton of 100; PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	66-63	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
	8	Exh.	66-63	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	
	8	Int.	66-63	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	66-63	VK-97		
	16	Spring Insert	66-63	259-100B	.030"; Carton of 100	
	16	Spring Insert	66-63	259-100A	.060"; Carton of 100	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	66-63	E-289K Std-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	66-63	E-289X Std-30	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	66-63	WE-289K30 30-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	66-63	WE-289X Std-30	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	66-64	4265M Std-10		
	1	Rod Set	66-63	8-3320CP Std-10-20-30-40		
	8	Rod Pair	66-63	3320CP Std-10-20-30-40		
	1	Cam Set	66-63	1269M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	66-63	224-415		

7.0L 427 OHV V8 (Chevrolet), 4.25" Bore 1969-66 **115**

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	69-67	KT3-501SA	w/3-2 Bbl. Carbs.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
	1	3 Piece Set	66	KT3-501SA	w/3-2 Bbl. Carbs.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
	1	Timing Chain	69-67	222-501	w/3-2 Bbl. Carbs.; Silent type; 50 Links
	1	Timing Chain	69-67	222-495	w/4 Bbl. Carb.; Silent type; 50 Links
	1	Timing Chain	66	222-501	w/3-2 Bbl. Carbs.; Silent type; 50 Links
	1	Timing Chain	66	222-495	w/4 Bbl. Carb.; Silent type; 50 Links
	1	Crank Sprocket	69-67	223-393	w/3-2 Bbl. Carbs.; 19 Teeth
	1	Crank Sprocket	66	223-393	w/3-2 Bbl. Carbs.; 19 Teeth
	1	Cam Sprocket	69-67	223-392	w/3-2 Bbl. Carbs.; 38 Teeth
	1	Cam Sprocket	66	223-392	w/3-2 Bbl. Carbs.; 38 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69	CS-636	w/3-2 Bbl. Carbs.
	1	Performance Cam	69	CS-165R	w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
	1	Performance Cam	69-67	CS-1004R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	69-67	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	69-67	CS-1015R	Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	68-67	CS-165R	w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
	1	Performance Cam	66	CS-165R	w/4 Bbl. Carb.; NOTE: Eng. require a 3/16" wide by 7/16" deep groove machined in the rear journal; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
	1	Performance Cam	66	CS-1004R	NOTE: An oil groove must be machined in the rear journal; Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	66	CS-1088R	NOTE: An oil groove must be machined in the rear journal; Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	66	CS-1015R	NOTE: An oil groove must be machined in the rear journal; Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
	16	Lifter	69-66	HT-817 Std Only	w/3-2 Bbl. Carbs.; Hyd.
	16	Lifter	69-66	AT-992 Std Only	w/4 Bbl. Carb.; Mech.
	16	Lifter, Bulk	69-66	HT-817B Std Only	w/3-2 Bbl. Carbs.; Hyd.; Carton of 128
	16	Lifter, Bulk	69-66	AT-992B Std Only	w/4 Bbl. Carb.; Mech.; Carton of 128
	1	Prelube	69-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69	KC-636	w/3-2 Bbl. Carbs.; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	69	KC-165R	w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
	1	Cam/Lifter Kit	69-67	KC-1004R	w/3-2 Bbl. Carbs.; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	69-67	KC-1088R	w/3-2 Bbl. Carbs.; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	69-67	KC-1015R	w/3-2 Bbl. Carbs.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	68-67	KC-165R	w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B

(continued on next page)

GM Car

115 7.0L 427 OHV V8 (Chevrolet), 4.25" Bore 1969-66

(cont.)

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	66	KC-1004R	w/3-2 Bbl. Carbs.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66	KC-1088R	w/3-2 Bbl. Carbs.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66	KC-1015R	w/3-2 Bbl. Carbs.; NOTE: An oil groove must be machined in the rear journal; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	66	KC-165R	w/4 Bbl. Carb.; Requires 3/16 wide by 7/16 deep groove machined in rear journal; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
VALVE TRAIN	1	Cam/Lifter/Timing Kit	69	KCT-636A	w/3-2 Bbl. Carbs.; Hyd.; Incl. (1) CS-636, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	69-66	RP-3181	Exh.; w/3-2 Bbl. Carbs.; .3125" dia.; 9.2520" O.A.L.
	8	Push Rod	69-66	RP-3103	Exh.; w/4 Bbl. Carb.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	69-66	RP-3215R	Exh.; Chrome-Moly; .375" tube dia.; 9.2520" O.A.L.
	8	Push Rod	69-66	RP-3218R	Exh.; Spec. Hi-Perf.; Chrome-Moly; .437" tube dia.; 9.2520" O.A.L.
	8	Push Rod	69-66	RP-3182	Int.; w/3-2 Bbl. Carbs.; .3125" dia.; 8.2800" O.A.L.
	8	Push Rod	69-66	RP-3104	Int.; w/4 Bbl. Carb.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	69-66	RP-3216R	Int.; w/4 Bbl. Carb.; Chrome-Moly; .375" tube dia.; 8.2800" O.A.L.
	8	Push Rod	69-66	RP-3217R	Int.; w/4 Bbl. Carb.; Chrome-Moly; .437" tube dia.; 8.2800" O.A.L.
	8	Push Rod, Bulk	69-66	BRP-3181	Exh.; w/3-2 Bbl. Carbs.; .3125" dia.; Carton of 100; 9.2520" O.A.L.
	8	Push Rod, Bulk	69-66	BRP-3103	Exh.; w/4 Bbl. Carb.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	69-66	BRP-3182	Int.; w/3-2 Bbl. Carbs.; .3125" dia.; Carton of 100; 8.2800" O.A.L.
	8	Push Rod, Bulk	69-66	BRP-3104	Int.; w/4 Bbl. Carb.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	69-66	R-866R	w/4 Bbl. Carb.; Incl. arm, ball & nut; Long slot rocker arm
	16	Arm Assy.	69-66	R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk	69-66	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm	69-66	R-851A	
	16	Pivot Ball	69-66	MR-1815	
	16	Nut	69-66	MR-1813	7/16" thread
	16	Stud	69-66	MR-1910RS	7/16" thread, 1.955" length, .710" depth
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69	V-1911 Std-3-15	w/3-2 Bbl. Carbs.; w/Alum. head; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	69-68	V-1861 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 1.8740" Head Dia., .3703" Stem Dia., 5.3622" O.A.L.
	8	Exhaust	68	V-1911 Std-3-15	w/3-2 Bbl. Carbs.; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	67-66	V-1911 Std-3-15	w/3-2 Bbl. Carbs.; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	69	V-1911B Std-15	w/3-2 Bbl. Carbs.; w/Alum. head; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	68	V-1911B Std-15	w/3-2 Bbl. Carbs.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	67-66	V-1911B Std-15	w/3-2 Bbl. Carbs.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	69-68	V-1912 Std-3-15	w/3-2 Bbl. Carbs.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	69-68	V-1905 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake	67-66	V-1912 Std-3-15	w/3-2 Bbl. Carbs.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.

(continued on next page)

7.0L 427 OHV V8 (Chevrolet), 4.25" Bore 1969-66 **115**

(cont.)

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Intake	67-66	V-1905 Std Only	w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake, Bulk	69-68	V-1912B Std-15	w/3-2 Bbl. Carbs.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
VALVE TRAIN	8	Intake, Bulk	67-66	V-1912B Std-15	w/3-2 Bbl. Carbs.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-66	VG-688	Exh.; w/Cast iron head; .3740" ID, 2.6300" O.A.L.
VALVE TRAIN	16	Guide	69-66	VG-689	Exh. & Int.; w/Alum. head; .3735" ID, 2.4200" O.A.L.
	8	Guide	69-66	VG-689	Int.; w/Cast iron head; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	69-66	VG-688B	Exh.; w/Cast iron head; Carton of 50; .3740" ID, 2.6300" O.A.L.
VALVE TRAIN	16	Guide, Bulk	69-66	VG-689B	Exh. & Int.; w/Alum. head; Carton of 50; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	69-66	VG-689B	Int.; w/Cast iron head; Carton of 50; .3735" ID, 2.4200" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-68	VS-657	w/3-2 Bbl. Carbs.; Single spring; Incl. damper; 2.1100" Free Height
	16	Spring	69-68	VS-1581	w/4 Bbl. Carb.; Assy. of inner & outer w/damper; 2.2800" Free Height
VALVE TRAIN	8	Spring	67-66	VS-708	Double spring; 2.1200" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-66	ST-2014	w/double valve spring; Positive type; Installation requires valve guide machining; PTFE
VALVE TRAIN	16	Valve Stem Seal	69-66	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	69-66	ST-2019R	Positive type; Premium design; PTFE
	16	Valve Stem Seal	69-66	MV-1769C	Umbrella type; Polyacrylate
VALVE TRAIN	16	Valve Stem Seal Bulk	69-66	ST-2014BC	w/double valve spring; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	69-66	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	69-66	ST-2019RBC	Positive type; Premium design; Carton of 100; PTFE
VALVE TRAIN	16	Valve Stem Seal Bulk	69-66	MV-1769	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-66	245-1812-4N Std Only	w/3-2 Bbl. Carbs.; Exc. Alum. head; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
VALVE TRAIN	8	Exh.	69-66	245-1812-4 Std Only	w/3-2 Bbl. Carbs.; Exc. Alum. head; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	69-66	245-2250-1 Std Only	w/3-2 Bbl. Carbs.; Exc. Alum. head; 2.2555" OD, 1.9375" ID, .1855" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-66	VK-138	1 groove; Square cut key groove
	32	Keeper	69-66	VK-138R	1 groove; Square cut key groove; Hardened
VALVE TRAIN	32	Keeper, Bulk	69-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	69-66	259-103C	.015"; ID 1.030"; Carton of 100
	16	Spring Insert	69-66	259-103B	.030"; ID 1.030"; Carton of 100
VALVE TRAIN	16	Spring Insert	69-66	259-103BRS	.030"; ID 1.030"; Carton of 500
	16	Spring Insert	69-66	259-103A	.060"; ID 1.030"; Carton of 100
	16	Spring Insert	69-66	259-103ARS	.060"; ID 1.030"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	69-66	412P Std-30-40-60	w/3-2 Bbl. Carbs.; Cast; Used on both banks; 2-5/64", 1-3/16" Ring Groove, 1.755 plus .140 crown" CD, .9894" Pin Dia., Crowned Head .140" high - 9.5:1 C.R.
	8	Cast Piston - Individual	69-66	W412P Std-30-40-60	w/3-2 Bbl. Carbs.; Cast; Used on both banks; 2-5/64", 1-3/16" Ring Groove, 1.755 plus .140 crown" CD, .9894" Pin Dia., Crowned Head .140" high - 9.5:1 C.R.
BLOCK	8	Powerforged	69	L-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; w/Alum. head; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
	8	Powerforged	69	L-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .300" high. DurOshield® skirt coated piston.
	8	Powerforged	68	L-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
BLOCK	8	Powerforged	68	L-2239NF30 30-60	w/4 Bbl. Carb.; Powerforged; Use w/R-9904 ring set; 2-1/16", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .454" high.

(continued on next page)

GM Car

115 7.0L 427 OHV V8 (Chevrolet), 4.25" Bore 1969-66

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BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Powerforged	68	L-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .300" high. DurOshield® skirt coated piston.
	8	Powerforged	67-66	L-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
	8	Powerforged	67-66	L-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .300" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	69	WL-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; w/Alum. head; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	69	WL-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .266" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68	WL-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	68	WL-2239NF30 30-60	w/4 Bbl. Carb.; Powerforged; Use w/WR-9904 ring set; 2-1/16", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .438" high.
	8	Forged Piston - Individual	68	WL-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .266" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-66	WL-2300F Std-30-40-60	w/3-2 Bbl. Carbs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.767" CD, .9894" Pin Dia., Domed Head .140" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-66	WL-2268F Std-30-60	w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.765" CD, .9894" Pin Dia., Domed Head .266" high. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	69-66	E-233K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	69-66	E-233X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	69-66	WE-233K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	68	WR-9904 Std-30-60	Use w/WL-2239NF 30 piston
	8	Standard Single Cylinder Set	69-66	WE-233X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-66	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Main Set	69-66	7122MA10 10-20-30	A-Series aluminum bearings ; w/.020" O/S length flange brg.
	1	Rod Set	69-66	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
BLOCK	8	Rod Pair	69-66	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Cam Set	69-67	1404M Std Only	Babbitt material; Full round design
	1	Cam Set	66	1255M Std Only	Groove in rear cam journal & brg.
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	69-66	224-4154	High Volume, check pan for clearance; Use shaft w/steel guide
	1	Oil Pump	69-66	224-4153	
	1	Inter. Shaft	69-66	224-6154A	w/3-2 Bbl. Carbs.; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide
	1	Inter. Shaft	69-66	224-6154	w/4 Bbl. Carb.; Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide
	1	Oil Pump Shaft Guide	69-66	224-43343	Nylon
	1	Screen Assy.	69-67	224-43620	
	1	Screen Assy.	66	224-1252	
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	69-66	260-1009	w/3-2 Bbl. Carbs.; Premium valve stem seals incl.
	1	Kit Gasket Set	69-66	260-1717	w/4 Bbl. Carb.; w/Oval port heads; Header gskts. incl.; Complete set
	1	Kit Gasket Set	69-66	260-1081	w/4 Bbl. Carb.; w/Rectangular port heads; Header gskts. incl.; Complete set
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	69-66	381-8009	
	1	Steel Block Plug Kit	69-66	381-4017	
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	69-66	w/3-2 Bbl. Carbs.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.		205-613	205-113
		Re-ring Re-ring w/Mains		205-613M	205-113M

7.0L 428 OHV V8 (Pontiac), 4.125" Bore 1969-67 **116**

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	69-67	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
	1	Timing Chain	69-67	222-350	60 Links
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69-68	CS-641	w/A/T; Hi-Torque
	16	Lifter	69-67	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	69-67	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	69-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-68	KC-641	w/A/T; Hi-Torque; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
	1	Cam/Lifter/Timing Kit	69-68	KCT-641	w/A/T; Hi-Torque; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	69-67	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
	16	Push Rod	69-67	RP-3028	9.1360" O.A.L.
	16	Push Rod, Bulk	69-67	BRP-3028	Carton of 100; 9.1360" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	69-67	R-1032	Incl. arm, ball & nut
	16	Arm Assy., Bulk	69-67	R-1032B	Incl. arm, ball & nut; Carton of 64
	16	Arm	69-67	R-849A	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69	V-1823 Std Only	1.6600" Head Dia., .3410" Stem Dia., 5.0820" O.A.L.
	8	Exhaust	68	V-3923 Std Only	Chrome plated stem; 1.7720" Head Dia., .3409" Stem Dia., 5.0910" O.A.L.
	8	Exhaust	67	V-1946 Std Only	Chrome plated stem; 1.7756" Head Dia., .3409" Stem Dia., 5.0512" O.A.L.
	8	Intake	69	V-1824 Std Only	10.5:1 C.R.; 30 deg. seat; Chrome plated stem; 1.9600" Head Dia., .3415" Stem Dia., 5.0890" O.A.L.
	8	Intake	69	V-1826 Std Only	10.75:1 C.R.; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
	8	Intake	68-67	V-1826 Std Only	Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 5.0980" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-67	VG-5080	Int.; .3440" ID, 2.0000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69	VS-651	Inner; Exc. w/M/T; Exc. w/HO; 1.7600" Free Height
	16	Spring	69	VS-665	Outer; Exc. w/M/T; Exc. w/HO; 1.9400" Free Height
	16	Spring	68	VS-1433	Inner; w/M/T; w/HO; 1.9350" Free Height
	16	Spring	68	VS-651	Inner; Exc. w/M/T; Exc. w/HO; 1.7600" Free Height
	16	Spring	68	VS-665	Outer; 1.9400" Free Height
	16	Spring	67	VS-651	Inner; 1.7600" Free Height
	16	Spring	67	VS-665	Outer; 1.9400" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-67	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	16	Valve Stem Seal	69-67	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	69-67	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	69-67	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	69-67	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69	245-1750-2N Std Only	Use w/V-1823; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	69	245-1750-2 Std Only	Use w/V-1823; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	69	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	8	Int.	69-67	245-2125-2 Std Only	Use w/V-1826; 2.1305" OD, 1.8750" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-67	VK-115	1 groove; Square cut key groove
	32	Keeper	69-67	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	69-67	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	69-67	259-305B	.030"; Carton of 100
	16	Spring Insert	69-67	259-305A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Powerforged	69-67	L-2257F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.592" CD, .9802" Pin Dia., Recessed Head .126" deep x 2.300" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	69-67	E-299K Std-20-30-40-60	2-5/64, 1-3/16

(continued on next page)

GM Car

116 7.0L 428 OHV V8 (Pontiac), 4.125" Bore 1969-67

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BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Standard Set	69-67	E-299X Std-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	69-67	WE-299K Std-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	69-67	WE-299X Std-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	69-67	4221M Std-10-20-30		
	1	Rod Set	69-67	8-1555CPA Std-10-20-30-40		
	8	Rod Pair	69-67	1555CPA Std-1-10-20-30-40		
	1	Cam Set	69-67	1220M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69-67	224-43364S	High Pressure; 3/4" inlet tube; Incl. screen	
	1	Inter. Shaft	69-67	224-61236		
	1	Screen Assy.	69-67	224-11236	3/4" inlet tube	
	1	Screen Assy.	69-67	224-11232	5/8" inlet tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-68	260-1025		
	1	Kit Gasket Set	67	260-1025	Push rod cover gskt. not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-67	381-8021		
	1	Steel Block Plug Kit	69-67	381-4020		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
		YEARS DESCRIPTION				
		69-68 Re-ring			205-640	205-140
		67 Push rod cover gskt. not incl. Re-ring			205-640	205-140

117 7.0L 429 OHV V8 (Cadillac), 4.125" Bore 1967-64

VIN Codes "5" 1965, "6" 1966, "7" 1967

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Chain	67-66	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Timing Chain	65-64	222-489	46 Links	
	1	Crank Sprocket	65-64	223-337	18 Teeth	
	1	Cam Sprocket	67-66	223-404	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	67-64	CS-554	Use O.E. bolt No. 179813	
	16	Lifter	67	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	16	Lifter	66-64	HT-896 Std Only	Hyd.	
	16	Lifter, Bulk	67	HT-969B Std Only	Hyd.; Carton of 128	
	16	Lifter, Bulk	66-64	HT-896B Std Only	Hyd.; Carton of 126	
	1	Prelube	67-64	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	67	RP-3175	9.1080" O.A.L.	
	16	Push Rod	66-64	RP-3100	9.1550" O.A.L.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	67-66	V-1712 Std Only	1.5000" Head Dia., .3417" Stem Dia., 4.8150" O.A.L.	
	8	Exhaust	65	V-1712 Std Only	From Eng. No. 113901; 1.5000" Head Dia., .3417" Stem Dia., 4.8150" O.A.L.	
	8	Exhaust	65	V-1366 Std Only	To Eng. No. 113900; 1.5000" Head Dia., .3419" Stem Dia., 4.8248" O.A.L.	
	8	Exhaust	64	V-1366 Std Only	1.5000" Head Dia., .3419" Stem Dia., 4.8248" O.A.L.	
	8	Intake	67-66	V-1713 Std Only	1.8750" Head Dia., .3420" Stem Dia., 4.8020" O.A.L.	
	8	Intake	65	V-1713 Std Only	From Eng. No. 113901; 1.8750" Head Dia., .3420" Stem Dia., 4.8020" O.A.L.	
	8	Intake	65	V-1367 Std Only	To Eng. No. 113900; 1.8750" Head Dia., .3420" Stem Dia., 4.7990" O.A.L.	
	8	Intake	64	V-1367 Std Only	1.8750" Head Dia., .3420" Stem Dia., 4.7990" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	67-64	VG-503	.3450" ID, 2.2660" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	67-64	VS-485	2.2500" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	67-64	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
	16	Valve Stem Seal	67-64	ST-2092	Positive type; Rubber	
	16	Valve Stem Seal Bulk	67-64	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	67-64	245-1625-4 Std Only	1.6305" OD, 1.3120" ID, .2175" Depth	

(continued on next page)

7.0L 429 OHV V8 (Cadillac), 4.125" Bore 1967-64 117					
VIN Codes "5" 1965, "6" 1966, "7" 1967 (cont.)					
BLOCK	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Int.	67-64	245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-64	VK-115	1 groove; Square cut key groove
	32	Keeper	67-64	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-64	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	67-64	259-203C	.015"; Carton of 100
	16	Spring Insert	67-64	259-203B	.030"; Carton of 100
	16	Spring Insert	67-64	259-203BRS	.030"; Carton of 500
	16	Spring Insert	67-64	259-203A	.060"; Carton of 100
	16	Spring Insert	67-64	259-203ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Powerforged	67-66	L-2267F30 30	Use w/E-257X 30 ring set; Powerforged; 2-1/16", 1-3/16" Ring Groove, 1.583" CD, .9996" Pin Dia., Recessed Head .300" deep; DurOshield® skirt coated piston
	8	Forged Piston - Individual	67-66	WL-2267F30 30	Use w/WE-257X 30 ring set; Powerforged; 2-1/16", 1-3/16" Ring Groove, 1.583" CD, .9996" Pin Dia., Recessed Head .300" deep; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	67-66	E-257X Std-30	2-1/16, 1-3/16
	1	Standard Set	65-64	E-570X Std Only	2-1/16, 1-1/8
	8	Standard Single Cylinder Set	67-66	WE-257X30 30	Use w/WL-2267F 30 piston; 2-1/16, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-64	4419M Std-10-20-30	
1	Rod Set	67-64	8-2120CP Std-10-20		
8	Rod Pair	67-64	2120CP Std-10-20-30		
1	Cam Set	67-64	1216M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Pump Repair Kit	67-66	224-5127		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	67-64	381-8004		
7.0L 430 OHV V8 (Buick), 4.1875" Bore 1969-67 118					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	69-67	KT3-498S	223-398 not sold separately; Incl. (1) 222-498, (1) 223-369, (1) 223-398
	1	Timing Chain	69-67	222-498	48 Links
	1	Crank Sprocket	69-67	223-369	18 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	69-67	CS-586	
	16	Lifter	69-67	HT-969 Std Only	Use w/hollow push rods; Hyd.; w/.440" wide oil groove
	16	Lifter	69-67	HT-896 Std Only	Use w/solid push rods; Hyd.
	16	Lifter, Bulk	69-67	HT-969B Std Only	Use w/hollow push rods; Hyd.; Carton of 128
	16	Lifter, Bulk	69-67	HT-896B Std Only	Use w/solid push rods; Hyd.; Carton of 126
	1	Prelube	69-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	69-67	KC-586	Use w/hollow push rods; Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	69-67	RP-3202	9.3550" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	68-67	R-857	Exh. 2-3-6-7
	8	Arm	68-67	R-857	Int. 1-4-5-8
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-67	V-1799 Std Only	Chrome plated stem; 1.6250" Head Dia., .3725" Stem Dia., 5.1620" O.A.L.
8	Intake	69-67	V-1800 Std Only	Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	69-67	VG-5073	Int.; .3745" ID, 2.3750" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	69-67	VS-712	Incl. damper; 2.2000" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	69-67	ST-2002	Installation requires valve guide machining; Polyacrylate	
16	Valve Stem Seal Bulk	69-67	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	

(continued on next page)

GM Car

118 7.0L 430 OHV V8 (Buick), 4.1875" Bore 1969-67

(cont.)

QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	69-67	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	69-67	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
8	Int.	69-67	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	69-67	VK-97	.030"; Carton of 100
16	Spring Insert	69-67	259-100B	.060"; Carton of 100
16	Spring Insert	69-67	259-100A	.060"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	69-67	368P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.947" CD, .9997" Pin Dia., Recessed Head .090" deep x 3.500" dia. - 9.9:1 C.R.
8	Cast Piston - Individual	69-67	W368P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.947" CD, .9997" Pin Dia., Recessed Head .090" deep x 3.500" dia. - 9.9:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	69-67	E-287X Std-30-40	2-5/64, 1-3/16
8	Standard Single Cylinder Set	69-67	WE-287X Std-30	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-67	4664M Std-10-20-30	
1	Rod Set	69-67	8-3320CP Std-10-20-30-40	
8	Rod Pair	69-67	3320CP Std-10-20-30-40	
1	Cam Set	69-67	1422M Std Only	w/oil hole
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	69-67	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
1	Pump Repair Kit	69-67	224-519	Use w/224-518TP Thrust Plate kit
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	69-67	260-1150	Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	69-67	260-4013	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	69-67	381-8003	

119 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70

VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	76-73	KT3-501SA	Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
1	3 Piece Set	72-71	KT3-501SA	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
1	3 Piece Set	70	KT3-501SA	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
1	Timing Set w/Gaskets	76-70	CTS-1110R	
1	Timing Chain	76-73	222-501	Silent type; 50 Links
1	Timing Chain	72-71	222-501	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Silent type; 50 Links
1	Timing Chain	72-71	222-495	Spec. Hi-Perf.; w/4 Bbl. Carb.; Silent type; 50 Links
1	Timing Chain	70	222-501	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Silent type; 50 Links
1	Timing Chain	70	222-495	Spec. Hi-Perf.; H/D; w/4 Bbl. Carb.; Silent type; 50 Links
1	Crank Sprocket	76-73	223-393	19 Teeth
1	Crank Sprocket	72-71	223-393	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 19 Teeth
1	Crank Sprocket	70	223-393	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; 19 Teeth
1	Cam Sprocket	76-73	223-392	38 Teeth
1	Cam Sprocket	72-71	223-392	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 38 Teeth
1	Cam Sprocket	70	223-392	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; 38 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	76	CS-774	
1	Camshaft	75-73	CS-660	
1	Camshaft	70	CS-774	
1	Performance Cam	76-70	CS-1004R	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb. Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
1	Performance Cam	76-70	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees

(continued on next page)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70 119

VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74 (cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Performance Cam	76-70	CS-1015R		Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	71	CS-165R		Spec. Hi-Perf.; w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
1	Performance Cam	70	CS-165R		Spec. Hi-Perf.; w/4 Bbl. Carb.; Pro-4000 Perf. Cam; Mech.; Duration at .050: 242 Int., 242 Exh.; Valve lift .5200" Int., .5200" Exh.; Lobe Separation 114 Degrees
16	Lifter	76-72	HT-817 Std Only		Hyd.
16	Lifter	76-72	HT-817R Std Only		Speed-Pro Hi-Revolution Hyd.
16	Lifter	71	HT-817 Std Only		Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.
16	Lifter	71	HT-817R Std Only		Speed-Pro Hi-Revolution Hyd.
16	Lifter	71-70	AT-992 Std Only		Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.
16	Lifter	70	HT-817 Std Only		Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.
16	Lifter	70	HT-817R Std Only		Speed-Pro Hi-Revolution Hyd.
16	Lifter, Bulk	76-72	HT-817B Std Only		Hyd.; Carton of 128
16	Lifter, Bulk	76-72	HT-817RB Std Only		Speed-Pro Hi-Revolution Hyd.; Carton of 128
16	Lifter, Bulk	71	HT-817B Std Only		Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Carton of 128
16	Lifter, Bulk	71	HT-817RB Std Only		Speed-Pro Hi-Revolution Hyd.; Carton of 128
16	Lifter, Bulk	71-70	AT-992B Std Only		Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Carton of 128
16	Lifter, Bulk	70	HT-817B Std Only		Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Carton of 128
16	Lifter, Bulk	70	HT-817RB Std Only		Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	76-70	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	76	KC-774		Hyd.; Incl. (1) CS-774, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-72	KC-1004R		Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-72	KC-1088R		Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	76-72	KC-1015R		Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	75-73	KC-660		Hyd.; Incl. (1) CS-660, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71	KC-1004R		Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71	KC-1088R		Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71	KC-1015R		Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	71	KC-165R		Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
1	Cam/Lifter Kit	70	KC-774		Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-774, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	70	KC-1004R		Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	70	KC-1088R		Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	70	KC-1015R		Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	70	KC-165R		Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) 55-403B
1	Cam/Lifter/Timing Kit	76	KCT-774		Hyd.; Incl. silent type chain; Incl. (1) CS-774, (16) HT-817, (1) KT3-501SA, (1) 55-403B

(continued on next page)

GM Car

119 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70

(cont.) VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74

QTY	CAM KIT (cont.)		YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	75-73	KCT-660	Hyd.; Incl. silent type chain; Incl. (1) CS-660, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	71	KCT-165R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) CTS-1110R, (1) 55-403B
	1	Cam/Lifter/Timing Kit	70	KCT-774	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Hyd.; Incl. silent type chain; Incl. (1) CS-774, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	70	KCT-165R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Mech.; Pro-4000 Perf. Cam; Duration at .050", 242 Int., 242 Exh.; Valve lift .518" Int., .514" Exh.; Lobe Separation 114 Degrees; Incl. (16) AT-992, (1) CS-165R, (1) CTS-1110R, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	76-73	RP-3215R	Exh.; Chrome-Moly; .375" tube dia.; 9.2520" O.A.L.
	8	Push Rod	76-73	RP-3218R	Exh.; Chrome-Moly; .437" tube dia.; 9.2520" O.A.L.
	8	Push Rod	76-73	RP-3254	Exh.; 9.2020" O.A.L.
	8	Push Rod	76-73	RP-3216R	Int.; Chrome-Moly; .375" tube dia.; 8.2800" O.A.L.
	8	Push Rod	76-73	RP-3217R	Int.; Chrome-Moly; .437" tube dia.; 8.2800" O.A.L.
	8	Push Rod	76-73	RP-3255	Int.; 8.2270" O.A.L.
	8	Push Rod	72	RP-3103	Exh.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	72	RP-3104	Int.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	71	RP-3103	Exh.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	71	RP-3104	Int.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	70	RP-3103	Exh.; Exc. H/D; w/4 Bbl. Carb.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	70	RP-3104	Int.; Exc. H/D; w/4 Bbl. Carb.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod, Bulk	76-73	BRP-3254	Exh.; Carton of 100; 9.2020" O.A.L.
	8	Push Rod, Bulk	76-73	BRP-3255	Int.; Carton of 100; 8.2270" O.A.L.
	8	Push Rod, Bulk	72	BRP-3103	Exh.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	72	BRP-3104	Int.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
	8	Push Rod, Bulk	71	BRP-3103	Exh.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	71	BRP-3104	Int.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
	8	Push Rod, Bulk	70	BRP-3103	Exh.; Exc. H/D; w/4 Bbl. Carb.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	70	BRP-3104	Int.; Exc. H/D; w/4 Bbl. Carb.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
	8	Push Rod Guide Plate	76-70	MR-1893	Speed-Pro stepped guide plate for 3/8" dia. push rods; Requires screw-in studs
	8	Push Rod Guide Plate	76-70	MR-1894	Speed-Pro stepped guide plate for 7/16" dia. push rods; Requires screw-in studs
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	76-72	R-851	Incl. arm, ball & nut
	16	Arm Assy.	71-70	R-851	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. arm, ball & nut
	16	Arm Assy.	71-70	R-866R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. arm, ball & nut; Long slot rocker arm
	16	Arm Assy., Bulk	76-72	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm Assy., Bulk	71-70	R-851B	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. arm, ball & nut; Carton of 64
	16	Arm	76-72	R-851A	
	16	Arm	71-70	R-851A	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.
	16	Pivot Ball	76-70	MR-1815	
	16	Nut	76-70	MR-1813	7/16" thread
	16	Stud	76-70	MR-1910RS	7/16" thread, 1.955" length, .710" depth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	76-75	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	74-72	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	71	V-1911 Std-3-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	71	V-1861 Std Only	Hi-Perf.; Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.8740" Head Dia., .3703" Stem Dia., 5.3622" O.A.L.
	8	Exhaust	70	V-1911 Std-3-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	70	V-1861 Std Only	Hi-Perf.; Spec. Hi-Perf.; H/D; w/4 Bbl. Carb.; Chrome plated stem; 1.8740" Head Dia., .3703" Stem Dia., 5.3622" O.A.L.

(continued on next page)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70 **119**

VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74 (cont.)

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exhaust, Bulk	76-75	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	74-72	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	71	V-1911B Std-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	70	V-1911B Std-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	76-75	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	74-72	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	71	V-1912 Std-3-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	71	V-1905 Std Only	Hi-Perf.; Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake	70	V-1912 Std-3-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake	70	V-1905 Std Only	Hi-Perf.; Spec. Hi-Perf.; H/D; w/4 Bbl. Carb.; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	8	Intake, Bulk	76-75	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	74-72	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	71	V-1912B Std-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	70	V-1912B Std-15	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	76-70	VG-688	Exh.; w/Cast iron head; .3740" ID, 2.6300" O.A.L.
	16	Guide	76-70	VG-689	Exh. & Int.; w/Alum. head; .3735" ID, 2.4200" O.A.L.
	8	Guide	76-70	VG-689	Int.; w/Cast iron head; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	76-70	VG-688B	Exh.; w/Cast iron head; Carton of 50; .3740" ID, 2.6300" O.A.L.
	16	Guide, Bulk	76-70	VG-689B	Exh. & Int.; w/Alum. head; Carton of 50; .3735" ID, 2.4200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	76-75	VS-671	2.0500" Free Height
	16	Spring	74-73	VS-728	2.0930" Free Height
	16	Spring	72	VS-708	Double spring; 2.1200" Free Height
	16	Spring	71	VS-708	Double spring; 2.1200" Free Height
	16	Spring	70	VS-657	Exc. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Single spring; Incl. damper; 2.1100" Free Height
	16	Spring	70	VS-708	Hi-Perf.; H/D; w/4 Bbl. Carb.; Double spring; 2.1200" Free Height
	16	Spring, Bulk	76-75	VS-671B	Carton of 150; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-73	ST-2014	Optional for Eng. w/double valve spring; Positive type; Installation requires valve guide machining; PTFE
	16	Valve Stem Seal	76-73	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	72-71	ST-2004	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	72-71	ST-2019R	Spec. Hi-Perf.; w/4 Bbl. Carb.; Positive type; Premium design; PTFE
	16	Valve Stem Seal	70	ST-2004	Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	70	ST-2019R	Spec. Hi-Perf.; H/D; w/4 Bbl. Carb.; Positive type; Premium design; PTFE
	16	Valve Stem Seal	76-73	MV-1769C	Umbrella type; Polyacrylate
	16	Valve Stem Seal	76-73	MV-1912	Umbrella type; Premium Material; Viton®
	16	Valve Stem Seal	72-71	MV-1769C	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Umbrella type; Polyacrylate

(continued on next page)

GM Car

119 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70

(cont.) VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	72-71	MV-1912	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Umbrella type; Premium Material; Viton®
	16	Valve Stem Seal	70	MV-1769C	Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Umbrella type; Polyacrylate
	16	Valve Stem Seal	70	MV-1912	Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Umbrella type; Premium Material; Viton®
	16	Valve Stem Seal Bulk	76-73	ST-2014BC	Optional for Engs. w/double valve spring; Positive type; Installation requires valve guide machining; Carton of 100; PTFE
	16	Valve Stem Seal Bulk	76-73	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	76-73	MV-1769	Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	72-71	ST-2004BC	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	72-71	MV-1769	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	72-71	ST-2019RBC	Spec. Hi-Perf.; w/4 Bbl. Carb.; Positive type; Premium design; Carton of 100; PTFE
VALVE TRAIN	16	Valve Stem Seal Bulk	70	ST-2004BC	Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	70	MV-1769	Exc. Spec. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Umbrella type; Carton of 100; Polyacrylate
	16	Valve Stem Seal Bulk	70	ST-2019RBC	Spec. Hi-Perf.; H/D; w/4 Bbl. Carb.; Positive type; Premium design; Carton of 100; PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	76-73	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	76-73	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	76-73	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	72-70	245-1812-4N Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	72-70	245-1812-4 Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	72-70	245-2250-1 Std Only	Exc. Hi-Perf.; w/4 Bbl. Carb.; 2.2555" OD, 1.9375" ID, .1855" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-70	VK-138	1 groove; Square cut key groove
	32	Keeper	76-70	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-70	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-70	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	76-70	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	76-70	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	76-70	259-303ARS	.060"; ID .703"; Carton of 500
	8	Rotocap	76-73	RC-163S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
BLOCK	8	Cast Piston	76-73	H661CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/E-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	8	Cast Piston	76-70	H581CP Std-20-30-40-60-100	Hypereutectic; Perf. only; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Domed Head w/2 valve reliefs; Std. to .040" O/S use .340" high dome; .060" to .100" O/S use .300" high dome; Hi-Perf. only. DurOshield® skirt coated piston.
	8	Cast Piston	76-70	H693CP Std-20-30-40-60-100	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9893" Pin Dia., Domed Head .230" high w/2 valve reliefs. DurOshield® skirt coated piston.
	8	Cast Piston	76-70	H518CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; For + .100" use ring set E424K30; DurOshield® skirt coated piston
	8	Cast Piston	72-71	H661CP Std-20-30-40-60-100	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Use in sets only; w/4 Bbl. Carb.; Hypereutectic; Use w/E-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	8	Cast Piston	70	H661CP Std-20-30-40-60-100	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Use in sets only; w/4 Bbl. Carb.; Hypereutectic; Use w/E-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston

(continued on next page)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70 **119**

VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74 (cont.)

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston - Individual	76-73	WH661CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
8	Cast Piston - Individual	76-70	WH581CP Std-20-30-40-60-100	Hypereutectic; Perf. only; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Domed Head w/2 valve reliefs; Std. to .040" O/S use .340" high dome; .060" to .100" O/S use .300" high dome; Hi-Perf. only. DurOshield® skirt coated piston.
8	Cast Piston - Individual	76-70	WH693CP Std-20-30-40-60-100	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9893" Pin Dia., Domed Head .230" high w/2 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	76-70	WH518CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; For + .100" use ring set WE424K30; DurOshield® skirt coated piston
8	Cast Piston - Individual	72-71	WH661CP Std-20-30-40-60-100	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Use in sets only; w/4 Bbl. Carb.; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
8	Cast Piston - Individual	70	WH661CP Std-20-30-40-60-100	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; Use in sets only; w/4 Bbl. Carb.; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	76-73	8KH661CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	76-70	8KH518CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	72-71	8KH661CP30 30-40-60	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	70	8KH661CP30 30-40-60	Exc. Hi-Perf.; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
8	Powerforged	76-73	L-2377F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
8	Powerforged	72-71	L-2377F Std-20-30-40-60	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
8	Powerforged	71	L-2399F Std-30-40-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .095" high. DurOshield® skirt coated piston.
8	Powerforged	70	L-2349F Std-30-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; w/Closed chamber cyl. head; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .265" high. DurOshield® skirt coated piston.
8	Forged Piston - Individual	76-73	WL-2377F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
8	Forged Piston - Individual	72-71	WL-2377F Std-20-30-40-60	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
8	Forged Piston - Individual	71	WL-2399F Std-30-40-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .095" high.
8	Forged Piston - Individual	70	WL-2349F Std-30-60	Spec. Hi-Perf.; w/4 Bbl. Carb.; Powerforged; w/Closed chamber cyl. head; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .265" high. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	76-70	E-233K Std-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	76-70	R-9905 Std-20-30-40-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
1	Standard Set	76-70	E-233X Std-20-30-40-60	2-5/64, 1-3/16

(continued on next page)

GM Car

119 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1976-70

(cont.) VIN Codes "S" 1976, "V" 1972, "W" 1972, "X" 1973-75, "Y" 1973-75, "Z" 1973-74

B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Premium Single Cylinder Set	76-70	WE-233K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	76-70	WE-233X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	76-70	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Main Set	76-70	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.	
	1	Rod Set	76-70	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	8	Rod Pair	76-70	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Cam Set	76-70	1404M Std Only	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	76-70	224-4154	High Volume, check pan for clearance; Use shaft w/steel guide		
1	Oil Pump	76-70	224-4153			
1	Inter. Shaft	76-70	224-6154A	Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide		
1	Inter. Shaft	76-70	224-6154	Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide		
1	Oil Pump Shaft Guide	76-70	224-43343	Nylon		
1	Screen Assy.	76-70	224-43620			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	76-73	260-1009	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.		
1	Kit Gasket Set	72-70	260-1009	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.		
1	Kit Gasket Set	72-70	260-1717	Hi-Perf.; w/Oval port heads; Header gskts. incl.; w/4 Bbl. Carb.; Complete set		
1	Kit Gasket Set	72-70	260-1081	Hi-Perf.; w/Rectangular port heads; Header gskts. incl.; w/4 Bbl. Carb.; Complete set		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	76-70	381-8009			
1	Steel Block Plug Kit	76-70	381-4017			
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	76-73	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains 205-613 205-613M	205-113 205-113M
	72-70	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.			Re-ring Re-ring w/Mains 205-613 205-613M	205-113 205-113M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	76	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain			Mster w/Frg. Pstn. Prm. Rings MKF-613E	-----
	76	Exc. Spec. Hi-Perf.; Exc. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain			Master Master w/o Pistons MKP-613E MK-613E	MKP-113E MK-113E
	76	Exc. Spec. Hi-Perf.; Exc. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain			Master w/o Rods & Mains 505-613E	505-113E
	75	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain			Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons MKF-613C MKP-613C MK-613C	----- MKP-113C MK-113C
	75	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain			Master w/o Rods & Mains 505-613C	505-113C
	74-73	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain			Mster w/Frg. Pstn. Prm. Rings Master Master w/o Pistons MKF-613C MKP-613C MK-613C	----- MKP-113C MK-113C
	74-73	Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain			Master w/o Rods & Mains 505-613C	505-113C
	70	Exc. Spec. Hi-Perf.; Exc. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain			Master Master w/o Pistons MKP-613E MK-613E	MKP-113E MK-113E
	70	Exc. Spec. Hi-Perf.; Exc. Hi-Perf.; Exc. H/D; w/4 Bbl. Carb.; Premium valve stem seals incl.; Incl. silent type chain			Master w/o Rods & Mains 505-613E	505-113E

7.5L 455 OHV V8 (Oldsmobile), 4.125" Bore 1976-68 120

VIN Codes "R" 1974, "S" 1975-76, "T" 1972-76, "U" 1972-74, "V" 1972-74, "W" 1972-75, "X" 1972.

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	76-75	KT3-498SA3	Incl. (1) 222-498, (1) 223-348, (1) 223-349
	1	3 Piece Set	74-68	KT3-494SA5	Incl. (1) 222-494, (1) 223-360, (1) 223-361
	1	Timing Set w/Gaskets	76-75	CTS-1005	
	1	Timing Chain	76-75	222-498	48 Links
	1	Timing Chain	74-68	222-494	48 Links
	1	Crank Sprocket	76-75	223-349	18 Teeth
	1	Crank Sprocket	74-68	223-361	18 Teeth
	1	Cam Sprocket	76-75	223-348	36 Teeth
	1	Cam Sprocket	74-68	223-360	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	76-75	CS-651	
	1	Camshaft	74-68	CS-651	Exc. Hi-Perf.; Exc. Police; w/2 Bbl. Carb.
	1	Performance Cam	74-68	CS-176R	Hi-Perf.; w/4 Bbl. Carb.; Pro-5000 Perf. Cam; Hyd.; Duration at .050: 232 Int., 232 Exh.; Valve lift .4740" Int., .4740" Exh.; Lobe Separation 113 Degrees
	16	Lifter	76-68	HT-951 Std Only	Hyd.
	16	Lifter, Bulk	76-68	HT-951B Std Only	Hyd.; Carton of 128
	1	Prelube	76-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	76-75	KCT-651	Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-498SA3, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-68	KCT-651A	Exc. Hi-Perf.; Exc. Police; w/2 Bbl. Carb.; Hyd.; Incl. (1) CS-651, (16) HT-951, (1) KT3-494SA5, (1) 55-403B
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	76-68	RP-3228R	Chrome-Moly; 9.5500" O.A.L.
	16	Push Rod	76-68	RP-3197	9.5460" O.A.L.
	16	Push Rod, Bulk	76-68	BRP-3197	Carton of 100; 9.5460" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	76-68	R-856	Incl. 2-arms & 1-pivot assy.
	8	Arm Assy., Bulk	76-68	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
	16	Arm	76-68	R-856A	
	8	Pivot	76-68	MR-1903	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	76-75	V-2028 Std Only	Chrome plated stem; 1.6220" Head Dia., .3423" Stem Dia., 4.6750" O.A.L.
	8	Exhaust	74	V-2028 Std Only	Exc. Opt. W30; Chrome plated stem; 1.6220" Head Dia., .3423" Stem Dia., 4.6750" O.A.L.
	8	Exhaust	74	V-1772 Std Only	Opt. W30; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	73	V-1772 Std Only	w/M/T; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	73	V-2028 Std Only	w/TH400 Trans.; Chrome plated stem; 1.6220" Head Dia., .3423" Stem Dia., 4.6750" O.A.L.
	8	Exhaust	72	V-1943 Std Only	w/A/T; Exc. Toronado; Exc. Opt. W30; Exc. Calif.; 1.6840" Head Dia., .3423" Stem Dia., 4.6750" O.A.L.
	8	Exhaust	72	V-1772 Std Only	w/A/T; Opt. W30; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	72	V-1772 Std Only	w/M/T; Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	71-70	V-1772 Std Only	Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Exhaust	69-68	V-1772 Std Only	Chrome plated stem; 1.6240" Head Dia., .3422" Stem Dia., 4.6950" O.A.L.
	8	Intake	76-75	V-2304 Std Only	Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	76-75	V-1775 Std Only	1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	74	V-2304 Std Only	Exc. Opt. W30; Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
V A L V E T R A I N	8	Intake	74	V-1775 Std Only	Exc. Opt. W30; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	74	V-1776 Std Only	Opt. W30; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	8	Intake	73	V-1776 Std Only	w/M/T; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	8	Intake	73	V-2304 Std Only	w/TH400 Trans.; Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	73	V-1775 Std Only	w/TH400 Trans.; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	72	V-2304 Std Only	w/A/T; Exc. Opt. W30; Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	72	V-1775 Std Only	w/A/T; Exc. Opt. W30; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	72	V-1775 Std Only	
	8	Intake	72	V-1775 Std Only	
	8	Intake	72	V-1775 Std Only	

(continued on next page)

GM Car

120 7.5L 455 OHV V8 (Oldsmobile), 4.125" Bore 1976-68

(cont.) VIN Codes "R" 1974, "S" 1975-76, "T" 1972-76, "U" 1972-74, "V" 1972-74, "W" 1972-75, "X" 1972.

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Intake	72	V-1776 Std Only	w/A/T; Opt. W30; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	8	Intake	72	V-1776 Std Only	w/M/T; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	8	Intake	71-70	V-2304 Std Only	Exc. Toronado; Exc. Hi-Perf.; w/2 Bbl. Carb.; Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	71-70	V-1775 Std Only	Exc. Toronado; Exc. Hi-Perf.; w/2 Bbl. Carb.; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	71-70	V-1776 Std Only	Toronado; w/4 Bbl. Carb.; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	8	Intake	69-68	V-2304 Std Only	Exc. Toronado; Exc. Police; w/2 Bbl. Carb.; Stock replacement; 1.9950" Head Dia., .3430" Stem Dia., 4.6670" O.A.L.
	8	Intake	69-68	V-1775 Std Only	Exc. Toronado; Exc. Police; w/2 Bbl. Carb.; 1.9920" Head Dia., .3430" Stem Dia., 4.7090" O.A.L.
	8	Intake	69-68	V-1776 Std Only	Toronado; Police; w/4 Bbl. Carb.; 2.0630" Head Dia., .3427" Stem Dia., 4.7180" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Guide	76-68	VG-5038	.3430" ID, 2.1200" O.A.L.
	16	Guide, Bulk	76-68	VG-5038B	Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	76-75	VS-721	1.9600" Free Height
	16	Spring	74	VS-721	w/A/T; 1.9600" Free Height
	16	Spring	73	VS-1618R	w/M/T; Exc. Toronado; Incl. damper; 1.9940" Free Height
	16	Spring	73	VS-721	Toronado; w/A/T; 1.9600" Free Height
	16	Spring	72	VS-1618R	Exc. Toronado; Incl. damper; 1.9940" Free Height
	16	Spring	72	VS-721	Toronado; 1.9600" Free Height
	16	Spring	71-68	VS-1618R	Incl. damper; 1.9940" Free Height
VALVE TRAIN	16	Spring, Bulk	76-75	VS-721B	Carton of 250; 1.9600" Free Height
	16	Spring, Bulk	74	VS-721B	w/A/T; Carton of 250; 1.9600" Free Height
	16	Spring, Bulk	73	VS-721B	Toronado; w/A/T; Carton of 250; 1.9600" Free Height
	16	Spring, Bulk	72	VS-721B	Toronado; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-68	ST-2001	Exh. & Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	76-68	MV-1903	Exh. & Int.; Use w/repair guide; Positive type; Rubber
	8	Valve Stem Seal	76-68	MV-1819C	Int.; Umbrella type; Nylon
	16	Valve Stem Seal Bulk	76-68	ST-2001BC	Exh. & Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	76-68	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	76-75	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
	8	Exh.	76-73	245-1750-2N Std Only	Use w/V-1772; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	76-73	245-1750-2 Std Only	Use w/V-1772; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	74-68	245-2125-2 Std Only	Use w/V-1775 & V-2304; 2.1305" OD, 1.8750" ID, .2480" Depth
	8	Int.	74-68	245-2250-1 Std Only	Use w/V-1776; 2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-68	VK-115	1 groove; Square cut key groove
	32	Keeper	76-68	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-68	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	16	Spring Insert	76-68	259-303C	.015"; ID .703"; Carton of 100
	16	Spring Insert	76-68	259-303B	.030"; ID .703"; Carton of 100
	16	Spring Insert	76-68	259-303A	.060"; ID .703"; Carton of 100
	16	Spring Insert	76-68	259-303ARS	.060"; ID .703"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	76-68	369P Std-20-30-40-60	High comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .120" deep x 2.940" dia. - 9.75:1 C.R.
	8	Cast Piston	71-70	344P20 20-30-40-60	Low comp.; Eng. Codes "TX" & "TY"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Cast Piston	71-68	344P20 20-30-40-60	Low comp.; Eng. Codes "UC", "UD" & "UJ"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Cast Piston	68	344P20 20-30-40-60	Low comp.; Eng. Codes "UA" & "UB"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Cast Piston	68	344P20 20-30-40-60	Low comp.; Eng. Codes "UA" & "UB"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.

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7.5L 455 OHV V8 (Oldsmobile), 4.125" Bore 1976-68 120					
VIN Codes "R" 1974, "S" 1975-76, "T" 1972-76, "U" 1972-74, "V" 1972-74, "W" 1972-75, "X" 1972. (cont.)					
BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual	76-68	W369P Std-20-30-40-60	High comp.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .120" deep x 2.940" dia. - 9.75:1 C.R.
	8	Cast Piston - Individual	71-70	W344P20 20-30-40-60	Low comp.; Eng. Codes "TX" & "TY"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	71-68	W344P20 20-30-40-60	Low comp.; Eng. Codes "UC", "UD" & "UJ"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual	68	W344P20 20-30-40-60	Low comp.; Eng. Codes "UA" & "UB"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.725" CD, .9806" Pin Dia., Recessed Head .329" deep x 3.500" dia. - 8.4:1 C.R.
	8	Powerforged	76-72	L-2390F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
	8	Powerforged	71	L-2390F30 30	For use w/91 & lower octane pump fuels; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
	8	Powerforged	70-68	L-2390F30 30	For use w/91 & lower octane pump fuels; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
	8	Powerforged	70-68	L-2323F Std-30-40-60	High comp.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .142" deep x 2.950" dia. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	76-72	WL-2390F30 30	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	71	WL-2390F30 30	For use w/91 & lower octane pump fuels; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	70-68	WL-2390F30 30	For use w/91 & lower octane pump fuels; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .306" deep x 3.500" dia. DurOshield® skirt coated piston.
8	Forged Piston - Individual	70-68	WL-2323F Std-30-40-60	High comp.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.735" CD, .9805" Pin Dia., Recessed Head .142" deep x 2.950" dia. DurOshield® skirt coated piston.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	76-68	E-243K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	76-68	E-243X Std-20-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	76-68	WE-243K Std-20-30-40-60	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	76-68	WE-243X Std-20-30-40-60	2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	76-68	4294M Std-1-10-20-30		
1	Rod Set	76-68	8-3345P Std-1-10-20-30-40		
8	Rod Pair	76-68	3345P Std-1-10-20-30-40		
1	Cam Set	76-68	1234M Std Only	Babbitt material; Full round design	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	76-68	224-41203		
1	Oil Pump	76-68	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen	
1	Inter. Shaft	76-68	224-61203		
1	Screen Assy.	76-68	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump	
1	Screen Assy.	76-68	224-12203	Press-in tube	
1	Screen Assy.	76-68	224-11203	5/8" inlet tube	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	76-68	260-1008	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
1	Valley Pan Gasket Set	76-73	260-4024		
1	Valley Pan Gasket Set	72-68	260-4021		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	76-68	381-8020		
1	Steel Block Plug Kit	76-68	381-4020		
RE-RING KIT					
YEARS	DESCRIPTION				
76-68	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		PREMIUM KIT NO. 205-674	ECONOMY KIT NO. 205-174

GM Car

121 7.5L 455 OHV V8 (Pontiac), 4.151" Bore 1976-70

VIN Codes "T" 1972-76, "U" 1972, "V" 1972, "W" 1972-76, "X" 1972-74, "Y" 1972-74

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	76-70	KT3-350S	223-305 not sold separately; Incl. (1) 222-350, (1) 223-305, (1) 223-371
1	Timing Chain	76-70	222-350	60 Links
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	76-75	CS-641	Exc. Super Duty VIN Codes "U" & "V" Eng. Codes "WG" & "YG"
1	Camshaft	74-73	CS-641	
1	Camshaft	72	CS-641	
1	Camshaft	71	CS-641	
1	Camshaft	70	CS-641	
16	Lifter	76-70	HT-951 Std Only	Hyd.
16	Lifter, Bulk	76-70	HT-951B Std Only	Hyd.; Carton of 128
1	Prelube	76-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	76-75	KC-641	Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	74-73	KC-641	Exc. Super Duty; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	72	KC-641	VIN Codes "U" & "V"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	71	KC-641	Eng. Codes "WG" & "YG"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter Kit	70	KC-641	w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) 55-403B
1	Cam/Lifter/Timing Kit	76-75	KCT-641	Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74-73	KCT-641	Exc. Super Duty; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	72	KCT-641	VIN Codes "U" & "V"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	71	KCT-641	Eng. Codes "WG" & "YG"; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
1	Cam/Lifter/Timing Kit	70	KCT-641	w/A/T; Hyd.; Incl. (1) CS-641, (16) HT-951, (1) KT3-350S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	76-70	RP-3229R	Chrome-Moly; 9.1300" O.A.L.
16	Push Rod	76-70	RP-3028	9.1360" O.A.L.
16	Push Rod, Bulk	76-70	BRP-3028	Carton of 100; 9.1360" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	76-70	R-1032	Incl. arm, ball & nut
16	Arm Assy., Bulk	76-70	R-1032B	Incl. arm, ball & nut; Carton of 64
16	Arm	76-70	R-849A	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	74-73	V-1967 Std Only	Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Chrome plated stem; 1.6600" Head Dia., .3410" Stem Dia., 4.8700" O.A.L.
8	Exhaust	72	V-1902 Std Only	w/HO; w/4 Bbl. Carb.; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	71	V-1902 Std Only	w/HO; w/4 Bbl. Carb.; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Exhaust	71	V-1967 Std Only	Eng. Codes "WG" & "YG"; Chrome plated stem; 1.6600" Head Dia., .3410" Stem Dia., 4.8700" O.A.L.
8	Exhaust	70	V-1832 Std Only	Eng. Code "YH"; Chrome plated stem; 1.6600" Head Dia., .3405" Stem Dia., 4.9840" O.A.L.
8	Exhaust	70	V-1902 Std Only	Eng. Codes "WA", "WG", "XF" & "YA"; Chrome plated stem; 1.7720" Head Dia., .3411" Stem Dia., 4.9764" O.A.L.
8	Intake	74-72	V-1920 Std Only	VIN Codes "T", "W", "X" & "Y"; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
8	Intake	72-71	V-1903 Std Only	w/HO; w/4 Bbl. Carb.; Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
8	Intake	72-71	V-1920 Std Only	w/4 Bbl. Carb.; Exc. HO; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
8	Intake	71	V-1920 Std Only	Eng. Codes "WC", "WL", "WJ", "YA", "YC" & "YE"; Chrome plated stem; 2.1100" Head Dia., .3415" Stem Dia., 4.8800" O.A.L.
8	Intake	70	V-1903 Std Only	Eng. Codes "WA", "WG", "XF" & "YA"; Chrome plated stem; 2.1100" Head Dia., .3420" Stem Dia., 4.9820" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	76-75	VS-651	Inner; 1.7600" Free Height
16	Spring	76-75	VS-665	Outer; 1.9400" Free Height
16	Spring	74-73	VS-1580	Super Duty; w/4 Bbl. Carb.; Inner and outer assy.; 2.0870" Free Height
16	Spring	74-73	VS-651	Inner; Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; 1.7600" Free Height

(continued on next page)

7.5L 455 OHV V8 (Pontiac), 4.151" Bore 1976-70 121

VIN Codes "T" 1972-76, "U" 1972, "V" 1972, "W" 1972-76, "X" 1972-74, "Y" 1972-74 (cont.)

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Spring	74-73	VS-665	Outer; Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; 1.9400" Free Height
	16	Spring	72-70	VS-651	Inner; 1.7600" Free Height
	16	Spring	72-70	VS-665	Outer; 1.9400" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-70	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	16	Valve Stem Seal	76-70	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	76-70	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	76-70	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	76-70	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	76-75	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	76-75	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	76-70	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
	8	Exh.	74-70	245-1750-2N Std Only	Use w/V-1832 & V-1967; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	74-70	245-1750-2 Std Only	Use w/V-1832 & V-1967; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	74-70	245-1812-1N Std Only	Use w/V-1902; Premium Material; 1.8175" OD, 1.5625" ID, .2480" Depth
	8	Exh.	74-70	245-1812-1 Std Only	Use w/V-1902; 1.8175" OD, 1.5625" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-70	VK-115	1 groove; Square cut key groove
BLOCK	32	Keeper	76-70	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-70	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-70	259-305B	.030"; Carton of 100
	16	Spring Insert	76-70	259-305A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	76-75	417NP30 30-40-60	Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
	8	Cast Piston	74-73	417NP30 30-40-60	Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
	8	Cast Piston	72-70	417NP30 30-40-60	Exc. HO; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
	8	Cast Piston - Individual	76-75	W417NP30 30-40-60	Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
	8	Cast Piston - Individual	74-73	W417NP30 30-40-60	Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
BLOCK	8	Cast Piston - Individual	72-70	W417NP30 30-40-60	Exc. HO; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Cast; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.481" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs - 8.2:1 C.R.
	8	Powerforged	76-75	L-2359F Std-30-40-60	Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	74-73	L-2359F Std-30-40-60	Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	72-70	L-2359F Std-30-40-60	Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	76-75	WL-2359F Std-30-40-60	Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	74-73	WL-2359F Std-30-40-60	Exc. Super Duty; Exc. 2 Bbl. Carb. & 4 Bbl. Carb.; Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	72-70	WL-2359F Std-30-40-60	Powerforged; 1-5/64", 1-1/16", 1-3/16" Ring Groove, 1.497" CD, .9804" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	76-70	E-300K Std-30-40-60	1-5/64, 1-1/16, 1-3/16
	1	Standard Set	76-70	E-300X Std-30-60	1-5/64, 1-1/16, 1-3/16
	8	Premium Single Cylinder Set	76-70	WE-300K Std-30-40-60	1-5/64, 1-1/16, 1-3/16
	8	Standard Single Cylinder Set	76-70	WE-300X Std-30	1-5/64, 1-1/16, 1-3/16

(continued on next page)

GM Car

121 7.5L 455 OHV V8 (Pontiac), 4.151" Bore 1976-70

(cont.) VIN Codes "T" 1972-76, "U" 1972, "V" 1972, "W" 1972-76, "X" 1972-74, "Y" 1972-74

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	76-70	4221M	Std-10-20-30	
	1	Rod Set	76-70	8-1555CPA	Std-10-20-30-40	
	8	Rod Pair	76-70	1555CPA	Std-1-10-20-30-40	
	1	Cam Set	76-70	1220M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	76-75	224-43364S	VIN Codes "T" & "W"; High Pressure; 3/4" inlet tube; Incl. screen	
	1	Oil Pump	76-70	224-43629	30% more pressure than 22443364S	
	1	Oil Pump	74-72	224-43364S	VIN Codes "T", "W", "X" & "Y"; High Pressure; 3/4" inlet tube; Incl. screen	
	1	Oil Pump	71	224-43364S	Eng. Codes "WC", "WL", "WJ", "YA", "YC" & "YE"; High Pressure; 3/4" inlet tube; Incl. screen	
BLOCK	1	Oil Pump	70	224-43364S	Eng. Codes "WA", "WC", "WG", "XF", "YA", "YC" & "YH"; High Pressure; 3/4" inlet tube; Incl. screen	
	1	Screen Assy.	76-75	224-11236	VIN Codes "T" & "W"; 3/4" inlet tube	
	1	Screen Assy.	74-72	224-11236	VIN Codes "T", "W", "X" & "Y"; 3/4" inlet tube	
	1	Screen Assy.	72	224-11232	VIN Codes "U" & "V"; 5/8" inlet tube	
	1	Screen Assy.	71	224-11232	Eng. Code "WG" & "YG"; 5/8" inlet tube	
	1	Screen Assy.	71	224-11236	Eng. Codes "WC", "WL", "WJ", "YA", "YC" & "YE"; 3/4" inlet tube	
	1	Screen Assy.	70	224-11236	Eng. Codes "WA", "WC", "WG", "XF", "YA", "YC" & "YH"; 3/4" inlet tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	76-75	260-1025		
	1	Kit Gasket Set	74-73	260-1025	w/2 Bbl. Carb.	
BLOCK	1	Kit Gasket Set	74-73	260-1025	w/4 Bbl. Carb.; Exc. Super Duty	
	1	Kit Gasket Set	72-71	260-1025	w/2 Bbl. Carb.	
	1	Kit Gasket Set	72-71	260-1025	w/4 Bbl. Carb.; Exc. HO	
	1	Kit Gasket Set	70	260-1025		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	76-70	381-8021		
	1	Steel Block Plug Kit	76-70	381-4020		
KITS	RE-RING KIT		YEARS	DESCRIPTION		
			76-75	Re-ring	PREMIUM KIT NO. 205-679	ECONOMY KIT NO. 205-179
			74-73	w/2 Bbl. Carb. Re-ring	205-679	205-179
			74-73	w/4 Bbl. Carb.; Exc. Super Duty Re-ring	205-679	205-179
			72-71	w/2 Bbl. Carb. Re-ring	205-679	205-179
			72-71	w/4 Bbl. Carb.; Exc. HO Re-ring	205-679	205-179
			70	Re-ring	205-679	205-179
	OVERHAUL KIT		YEARS	DESCRIPTION		
			76-75	VIN Codes "T" & "W"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl. Master w/o Pistons	PREMIUM KIT NO. MK-679C	ECONOMY KIT NO. MK-179C
KITS			74-73	VIN Codes "T", "W", "X" & "Y"; w/2 Bbl. Carb.; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl. Master w/o Pistons	MK-679C	MK-179C
			74-73	VIN Codes "T", "W", "X" & "Y"; w/4 Bbl. Carb.; Exc. Super Duty; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl. Master w/o Pistons	MK-679C	MK-179C
			70	w/A/T; Eng. Codes "WA", "WC", "WG", "XF", "YA", "YC" & "YH"; Incl. High Pressure 3/4" inlet oil pump; Oil pump screen incl. Master w/o Pistons	MK-679C	MK-179C

122 7.5L 455 OHV V8 (Buick), 4.3125" Bore 1976-70

VIN Codes "P" 1974, "R" 1974, "T" 1972-76, "U" 1971-74, "V" 1972-74, "W" 1972-74

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	76-70	KT3-498S	223-398 not sold separately; Incl. (1) 222-498, (1) 223-369, (1) 223-398	
	1	Timing Chain	76-70	222-498	48 Links	
	1	Crank Sprocket	76-70	223-369	18 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	76-75	CS-586		
	1	Camshaft	74-72	CS-586	Exc. VIN Code "W"; Exc. Riviera	
	1	Camshaft	71	CS-586	Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455	
	1	Camshaft	70	CS-586	Eng. Codes "SF" & "SR"	

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7.5L 455 OHV V8 (Buick), 4.3125" Bore 1976-70 122

VIN Codes "P" 1974, "R" 1974, "T" 1972-76, "U" 1971-74, "V" 1972-74, "W" 1972-74 (cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
16	Lifter	76-70	HT-969	Std Only	Hyd.; w/.440" wide oil groove
16	Lifter, Bulk	76-70	HT-969B	Std Only	Hyd.; Carton of 128
1	Prelube	76-70	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	76-75	KC-586		Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
1	Cam/Lifter Kit	74-72	KC-586		Exc. VIN Code "W"; Exc. Riviera; Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
1	Cam/Lifter Kit	71	KC-586		Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455; Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
1	Cam/Lifter Kit	70	KC-586		Eng. Codes "SF" & "SR"; Hyd.; Incl. (1) CS-586, (16) HT-969, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	76-70	RP-3179		9.3780" O.A.L.
16	Push Rod, Bulk	76-70	BRP-3179		Carton of 100; 9.3780" O.A.L.
QTY	ROCKER PARTS				DESCRIPTION
		YEARS	PART NO.		
8	Arm Assy.	76-73	R-870		L.H.; Incl. arm & retainer; Stamped steel
8	Arm Assy.	72-70	R-870		L.H.; Incl. arm & retainer; Stamped steel
8	Arm	76-73	R-870W		L.H.; Stamped steel
8	Arm	72-70	R-870W		L.H.; Stamped steel
16	Retainer	76-70	MR-1829		L.H.; Stamped steel
QTY	VALVE				DESCRIPTION
		YEARS	PART NO.		
8	Exhaust	74-72	V-1799	Std Only	Exc. VIN Code "W"; Exc. Riviera; Chrome plated stem; 1.6250" Head Dia., .3725" Stem Dia., 5.1620" O.A.L.
8	Exhaust	71	V-1799	Std Only	Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455; Chrome plated stem; 1.6250" Head Dia., .3725" Stem Dia., 5.1620" O.A.L.
8	Exhaust	70	V-1799	Std Only	Eng. Codes "SF" & "SR"; Chrome plated stem; 1.6250" Head Dia., .3725" Stem Dia., 5.1620" O.A.L.
8	Intake	76-75	V-1800	Std Only	Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.
8	Intake	74-72	V-1800	Std Only	Exc. VIN Code "W"; Exc. Riviera; Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.
8	Intake	71	V-1800	Std Only	Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455; Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.
8	Intake	70	V-1800	Std Only	Eng. Codes "SF" & "SR"; Chrome plated stem; 2.0000" Head Dia., .3725" Stem Dia., 5.1370" O.A.L.
QTY	VALVE GUIDE				DESCRIPTION
		YEARS	PART NO.		
8	Guide	76-70	VG-5087		Exh.; Bronze; .3740" ID, 2.5000" O.A.L.
8	Guide	76-70	VG-5062		Int.; .3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING				DESCRIPTION
		YEARS	PART NO.		
8	Spring	76-75	VS-712		Exh.; Incl. damper; 2.2000" Free Height
16	Spring	74-72	VS-712		Exh. & Int.; Exc. VIN Code "W"; Exc. Riviera; Incl. damper; 2.2000" Free Height
16	Spring	74-72	VS-1582		Exh. & Int.; VIN Code "W"; 2.1000" Free Height
16	Spring	71	VS-1582		Exh. & Int.; Eng. Code "TS"; 2.1000" Free Height
16	Spring	71	VS-712		Exh. & Int.; Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455; Incl. damper; 2.2000" Free Height
16	Spring	70	VS-1582		Exh. & Int.; Eng. Code "SS"; 2.1000" Free Height
16	Spring	70	VS-712		Exh. & Int.; Eng. Codes "SF" & "SR"; Incl. damper; 2.2000" Free Height
QTY	VALVE SEAL				DESCRIPTION
		YEARS	PART NO.		
16	Valve Stem Seal	76-70	ST-2002		Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	76-70	ST-2002BC		Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT				DESCRIPTION
		YEARS	PART NO.		
8	Int.	76-70	245-2125-2	Std Only	Use w/V-1800; 2.1305" OD, 1.8750" ID, .2480" Depth
8	Exh.	74-70	245-1750-2N	Std Only	Use w/V-1799; Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
8	Exh.	74-70	245-1750-2	Std Only	Use w/V-1799; 1.7550" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC				DESCRIPTION
		YEARS	PART NO.		
32	Keeper	76-70	VK-97		.030"; Carton of 100
16	Spring Insert	76-70	259-100B		.060"; Carton of 100
16	Spring Insert	76-70	259-100A		.060"; Carton of 100
QTY	PISTON				DESCRIPTION
		YEARS	PART NO.		
8	Cast Piston	76-70	392AP	Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.955" CD, .9999" Pin Dia., Recessed Head .230" deep x 3.610" dia.

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GM Car

122 7.5L 455 OHV V8 (Buick), 4.3125" Bore 1976-70

(cont.) VIN Codes "P" 1974, "R" 1974, "T" 1972-76, "U" 1971-74, "V" 1972-74, "W" 1972-74

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	8	Cast Piston - Individual	76-70	W392AP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.955" CD, .9999" Pin Dia., Recessed Head .230" deep x 3.610" dia.		
	8	Powerforged	70	L-2353F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.975" CD, .9996" Pin Dia., Recessed Head .156" deep x 3.610" dia. DurOshield® skirt coated piston.		
	8	Forged Piston - Individual	70	WL-2353F30 30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.975" CD, .9996" Pin Dia., Recessed Head .156" deep x 3.610" dia. DurOshield® skirt coated piston.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	76-70	E-289K Std-30-40-60	2-5/64, 1-3/16		
	1	Standard Set	76-70	E-289X Std-30	2-5/64, 1-3/16		
	8	Premium Single Cylinder Set	76-70	WE-289K30 30-60	2-5/64, 1-3/16		
	8	Standard Single Cylinder Set	76-70	WE-289X Std-30	2-5/64, 1-3/16		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	76-70	4664M Std-10-20-30				
1	Rod Set	76-70	8-3320CP Std-10-20-30-40				
8	Rod Pair	76-70	3320CP Std-10-20-30-40				
1	Cam Set	76-70	1422M Std Only	w/oil hole			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Pump Repair Kit	76-70	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions			
1	Pump Repair Kit	76-70	224-519	Use w/224-518TP Thrust Plate kit			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	76-70	260-1150	Int. manifold gskt. not incl.; Premium valve stem seals incl.			
1	Valley Pan Gasket Set	76-72	260-4023				
1	Valley Pan Gasket Set	71-70	260-4013				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	76-70	381-8003				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	76-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-738	205-238	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	76-75	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-738C	MK-238C	
	74-72	Exc. VIN Code "W"; Exc. Riviera; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-738C	MK-238C	
	71	Eng. Codes "TA" & "TR"; VIN Code "U"; Exc. Riviera & GS 455; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-738C	MK-238C	
	70	Eng. Codes "SF" & "SR"; Int. manifold gskt. not incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-738C	MK-238C	

123 7.7L 472 OHV V8 (Cadillac), 4.3" Bore 1974-68

VIN Codes "R" 1972-74, "O" 1970, "1" 1971, "8" 1968, "9" 1969

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	74-68	KT3-498SA1	Incl. (1) 222-498, (1) 223-404, (1) 223-405	
	1	Timing Chain	74-68	222-498	48 Links	
	1	Crank Sprocket	74-68	223-405	18 Teeth	
	1	Cam Sprocket	74-68	223-404	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	74-68	CS-656		
	16	Lifter	74-68	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
	16	Lifter, Bulk	74-68	HT-969B Std Only	Hyd.; Carton of 128	
	1	Prelube	74-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Cam/Lifter Kit	74-68	KC-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	74-68	KCT-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) KT3-498SA1, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	74-68	RP-3178	10.1980" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Pivot	74-68	MR-1914		

(continued on next page)

7.7L 472 OHV V8 (Cadillac), 4.3" Bore 1974-68 123					
VIN Codes "R" 1972-74, "O" 1970, "1" 1971, "8" 1968, "9" 1969 (cont.)					
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	73-68	V-1801 Std Only	Chrome plated stem; 1.6250" Head Dia., .3427" Stem Dia., 5.2500" O.A.L.
	8	Intake	73-68	V-1802 Std Only	2.0000" Head Dia., .3420" Stem Dia., 5.2330" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	74-68	VG-5034	Cut to fit; .3430" ID, 2.5000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	74-68	VS-485	2.2500" Free Height
	16	Retainer	74-68	VSR-7013	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	74-68	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	74-68	ST-2092	Positive type; Rubber	
16	Valve Stem Seal Bulk	74-68	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	74-68	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth	
8	Exh.	74-68	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth	
8	Int.	74-68	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	74-68	VK-115	1 groove; Square cut key groove	
32	Keeper	74-68	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	74-68	VK-115B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	74-68	259-203C	.015"; Carton of 100	
16	Spring Insert	74-68	259-203B	.030"; Carton of 100	
16	Spring Insert	74-68	259-203BRS	.030"; Carton of 500	
16	Spring Insert	74-68	259-203A	.060"; Carton of 100	
16	Spring Insert	74-68	259-203ARS	.060"; Carton of 500	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	74-68	351NP Std-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 2.010" CD, .9997" Pin Dia., Recessed Head .380" deep - 8.5:1 C.R.
	8	Cast Piston - Individual	74-68	W351NP Std-30-40	Use w/WE-290X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 2.010" CD, .9997" Pin Dia., Recessed Head .380" deep - 8.5:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	74-68	E-290K Std-20-30-40	2-5/64, 1-3/16
	1	Standard Set	74-68	E-290X Std-30	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	74-68	WE-290K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	74-68	WE-290X Std-30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74-68	4906MA Std-10-20-30	A-Series aluminum bearings
1	Main Set	74-68	7430MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.	
1	Rod Set	74-68	8-3345P Std-1-10-20-30-40		
8	Rod Pair	74-68	3345P Std-1-10-20-30-40		
1	Cam Set	74-68	1216M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	74-68	224-43473		
1	Pump Repair Kit	74-68	224-5128		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	74-68	260-1769	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	74-68	381-8004		
8.2L 500 OHV V8 (Cadillac), 4.3" Bore 1976-70 124					
VIN Codes "S" 1972-76, "O" 1970, "1" 1971					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	76-70	KT3-498SA1	Incl. (1) 222-498, (1) 223-404, (1) 223-405	
1	Timing Chain	76-70	222-498	48 Links	
1	Crank Sprocket	76-70	223-405	18 Teeth	
1	Cam Sprocket	76-70	223-404	36 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	76-70	CS-656		
16	Lifter	76-70	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
16	Lifter, Bulk	76-70	HT-969B Std Only	Hyd.; Carton of 128	
1	Prelube	76-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
1	Cam/Lifter Kit	76-70	KC-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) 55-403B	

(continued on next page)

GM Car

124 8.2L 500 OHV V8 (Cadillac), 4.3" Bore 1976-70

(cont.) VIN Codes "S" 1972-76, "O" 1970, "1" 1971

V A L V E T R A I N	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	76-70	KCT-656	Hyd.; Incl. (1) CS-656, (16) HT-969, (1) KT3-498SA1, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	76-70	RP-3178	10.1980" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Pivot	76-70	MR-1914	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	73-70	V-1801 Std Only	Chrome plated stem; 1.6250" Head Dia., .3427" Stem Dia., 5.2500" O.A.L.
	8	Intake	73-70	V-1802 Std Only	2.0000" Head Dia., .3420" Stem Dia., 5.2330" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
B L O C K	16	Spring	76-70	VS-485	2.2500" Free Height
	16	Retainer	76-70	VSR-7013	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-70	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	16	Valve Stem Seal	76-70	ST-2092	Positive type; Rubber
	16	Valve Stem Seal Bulk	76-70	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	76-70	245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
	8	Exh.	76-70	245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
	8	Int.	76-70	245-2125-2 Std Only	2.1305" OD, 1.8750" ID, .2480" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-70	VK-115	1 groove; Square cut key groove
	32	Keeper	76-70	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-70	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-70	259-203C	.015"; Carton of 100
	16	Spring Insert	76-70	259-203B	.030"; Carton of 100
	16	Spring Insert	76-70	259-203BRS	.030"; Carton of 500
	16	Spring Insert	76-70	259-203A	.060"; Carton of 100
	16	Spring Insert	76-70	259-203ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
B L O C K	8	Cast Piston	76-74	609P Std-20-30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.882" CD, .9999" Pin Dia., Recessed Head .110" deep x 2.500" dia.
	8	Cast Piston - Individual	76-74	W609P Std-20-30-40	Use w/WE-290X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.882" CD, .9999" Pin Dia., Recessed Head .110" deep. x 2.500" dia.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	76-70	E-290K Std-20-30-40	2-5/64, 1-3/16
	1	Standard Set	76-70	E-290X Std-30	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	76-70	WE-290K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	76-70	WE-290X Std-30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	76-70	4906MA Std-10-20-30	A-Series aluminum bearings
	1	Main Set	76-70	7430MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.
B L O C K	1	Rod Set	76-70	8-3345P Std-1-10-20-30-40	
	8	Rod Pair	76-70	3345P Std-1-10-20-30-40	
	1	Cam Set	76-70	1216M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	76-70	224-43473	
	1	Pump Repair Kit	76-70	224-5128	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	76-70	260-1769	Int. manifold gskt. not incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	76-70	381-8004	

GMC Minivans - See GMC Truck

GMC SUV's - See GMC Truck

GMC Truck (Includes Minivans)

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.6L 97 (1590cc) SOHC L4 75mm Bore (8 Valve) (Suzuki Eng.) L/D Truck.....	1990-89	1	4.3L 262 OHV V6 4" Bore (Chevrolet) L/D Truck	1990-8528
1.8L 110.8 (1817cc) SOHC L4 84mm Bore (8 Valve) (Isuzu Eng.) L/D Truck.....	1982-72	2	4.3L 265 OHV V8 3.75" Bore (Chevrolet) L/D Truck	1957-5529
1.9L 118.9 (1949cc) SOHC L4 87mm Bore (8 Valve) (Isuzu Eng.) L/D Truck.....	1985-82	3	4.4L 267 OHV V8 3.5" Bore (Chevrolet) L/D Truck ..	1982-7930
2.0L 121 (1989cc) OHV L4 89mm Bore (Chevrolet) L/D Truck	1984-83	4	4.4L 270 OHV L6 3.7813" Bore (GMC) L/D Truck ...	1962-5631
2.2L 136.5 (2238cc) OHV Diesel L4 88mm Bore (8 Valve) (Isuzu Eng.) L/D Truck.....	1985-81	5	4.6L 283 OHV V8 3.875" Bore (Chevrolet) L/D Truck	1967-5732
2.3L 140 SOHC L4 3.5" Bore (Chevrolet) L/D Truck	1975-71	6	4.7L 288 OHV V8 3.75" Bore (Pontiac) L/D Truck ...	195533
2.4L 145 OHV H6 3.4375" Bore (Corvair) L/D Truck	1963-61	7	4.8L 292 OHV L6 3.875" Bore (Chevrolet) L/D Truck	1989-6334
2.5L 151 OHV L4 4" Bore (Pontiac) L/D Truck.....	1990-85	8	4.8L 292 OHV LPG L6 3.875" Bore (Chevrolet) L/D Truck	1976-7435
2.5L 153 OHV L4 3.875" Bore (Chevrolet) L/D Truck	1967-63	9	5.0L 305 OHV V8 3.736" Bore (Chevrolet) L/D Truck	1990-7636
2.6L 159 OHV Diesel L3 3.875" Bore (3-53) (Detroit Diesel Eng.) L/D Truck.....	1970-67	10	5.0L 305 OHV V6 4.25" Bore (GMC) L/D Truck	1969-6037
2.7L 164 OHV H6 3.4375" Bore (Corvair) L/D Truck	1964	11	5.0L 307 OHV V8 3.875" Bore (Chevrolet) L/D Truck	1973-6838
2.8L 173 (2835cc) OHV V6 89mm Bore (Chevrolet) L/D Truck	1990-82	12	5.2L 316 OHV V8 3.9375" Bore (Pontiac) L/D Truck	1956-5539
3.1L 189 (3136cc) OHV V6 89mm Bore (Chevrolet) L/D Truck	1990	13	5.3L 327 OHV V8 4" Bore (Chevrolet) L/D Truck	1969-6240
3.2L 194 OHV L6 3.5625" Bore (Chevrolet) L/D Truck	1966-63	14	5.5L 336.9 OHV V8 3.875" Bore (Pontiac) L/D Truck	195941
3.3L 200 OHV V6 3.5" Bore (Chevrolet) L/D Truck ..	1979-78	15	5.7L 347 OHV V8 3.9375" Bore (Pontiac) L/D Truck	195742
3.5L 216.5 OHV L6 3.5" Bore (Chevrolet) L/D Truck	1952-38	16	5.7L 348 OHV V8 4.125" Bore (Chevrolet) L/D Truck	1960-5843
3.7L 228 OHV L6 3.5625" Bore (GMC) L/D Truck ...	1959-39	17	5.7L 350 OHV V8 4" Bore (Chevrolet) L/D Truck	1990-6944
3.8L 229 OHV V6 3.736" Bore (Chevrolet) L/D Truck	1984-80	18	5.7L 350 OHV LPG V8 4" Bore (Chevrolet) L/D Truck	1976-6945
3.8L 230 OHV L6 3.875" Bore (Chevrolet) L/D Truck	1969-63	19	5.7L 350 OHV Diesel V8 4.057" Bore (Oldsmobile) L/D Truck	1984-7846
3.8L 231 OHV V6 3.8" Bore (Buick) L/D Truck.....	1984-78	20	5.7L 351 OHV V6 4.5625" Bore (GMC) L/D Truck ...	1968-6547
3.8L 235 OHV L6 3.5625" Bore (Chevrolet) L/D Truck	1963-50	21	6.0L 366 OHV V8 3.9375" Bore (Chevrolet) L/D Truck	1967-6648
3.9L 235.3 (3856cc) OHV Diesel L4 102mm Bore (8 Valve) (Isuzu Eng.) L/D Truck.....	1988-87	22	6.2L 379 (6211cc) OHV Diesel V8 101mm Bore (Chevrolet) L/D Truck	1990-8249
3.9L 235.3 (3856cc) OHV Turbo-Diesel L4 102mm Bore (8 Valve) (Isuzu Eng.) L/D Truck	1990-87	23	6.5L 396 OHV V8 4.0938" Bore (Chevrolet) L/D Truck	1969-6650
3.9L 239 OHV Turbo-Diesel L4 4.0197" Bore (Cummins Eng.) L/D Truck	1990-89	24	6.6L 400 OHV V8 4.125" Bore (Chevrolet) L/D Truck	1980-7051
4.1L 248 OHV L6 3.7188" Bore (GMC) L/D Truck ...	1955-54	25	6.6L 402 OHV V8 4.125" Bore (Chevrolet) L/D Truck	1972-7052
4.1L 250 OHV L6 3.875" Bore (Chevrolet) L/D Truck	1984-66	26	6.6L 403 OHV V8 4.351" Bore (Oldsmobile) L/D Truck	1978-7753
4.3L 261 OHV L6 3.75" Bore (Chevrolet) L/D Truck	1962-61	27	7.4L 454 OHV V8 4.25" Bore (Chevrolet) L/D Truck	1990-7054
			7.5L 455 OHV V8 4.125" Bore (Oldsmobile) L/D Truck	1976-7355

Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
C223	2.2L 136.5 (2238cc) OHV Diesel L4 88mm Bore (8 Valve) (Isuzu Eng.) L/D Truck.....	5	4BD1-N.....	3.9L 235.3 (3856cc) OHV Diesel L4 102mm Bore (8 Valve) (Isuzu Eng.) L/D Truck..... 22
G16KC.....	1.6L 97 (1590cc) SOHC L4 75mm Bore (8 Valve) (Suzuki Eng.) L/D Truck	1	4BD1-T	3.9L 235.3 (3856cc) OHV Turbo-Diesel L4 102mm Bore (8 Valve) (Isuzu Eng.) L/D Truck..... 23
G180Z.....	1.8L 110.8 (1817cc) SOHC L4 84mm Bore (8 Valve) (Isuzu Eng.) L/D Truck	2	4BD2-TC.....	3.9L 235.3 (3856cc) OHV Turbo-Diesel L4 102mm Bore (8 Valve) (Isuzu Eng.) L/D Truck..... 23
G200Z.....	1.9L 118.9 (1949cc) SOHC L4 87mm Bore (8 Valve) (Isuzu Eng.) L/D Truck	3		

1.6L 97 (1590cc) SOHC L4 (8 Valve), 75mm Bore (Suzuki Eng.) 1990-89 L/D Truck VIN Code "U" 1989-95, Eng. Code "G16KC" 1989-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-89	222-B164	
1	Timing Belt Tensioner	90-89	222-182BT	
1	Timing Belt & Tensioner Set	90-89	BTS-212	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-89	V-2631 Std Only	Chrome plated stem; 1.2780" Head Dia., .2736" Stem Dia., 4.5060" O.A.L.
4	Intake	90-89	V-2630 Std Only	Chrome plated stem; 1.4410" Head Dia., .2740" Stem Dia., 4.5500" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

1 1.6L 97 (1590cc) SOHC L4 (8 Valve), 75mm Bore (Suzuki Eng.) 1990-89 (cont.) L/D Truck VIN Code "U" 1989-95, Eng. Code "G16KC" 1989-95						
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-89	VG-817	.2757" ID, 1.8950" O.A.L.	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90-89	VK-248	Exh. & Int.	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90-89	H586P Std-.50MM	Hypereutectic; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 1.104" CD, .7480" Pin Dia., Recessed Head .130" deep x 2.350" dia. w/2 valve reliefs	
	4	Cast Piston - Individual	90-89	WH586P Std Only	Hypereutectic; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 1.104" CD, .7480" Pin Dia., Recessed Head .130" deep x 2.350" dia. w/2 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-515KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	90-89	WE-515KC Std-.50MM	1-1.20MM, 1-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	7208M Std-.25-.50MM	Position 3	
	1	Thrust Washer Set	90-89	4191AF Std Only		
	1	Rod Set	90-89	4-4190CP Std-.25-.50MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-89	260-1812	Premium valve stem seals incl.	
RE-RING KIT					PREMIUM	ECONOMY
YEARS DESCRIPTION					KIT NO.	KIT NO.
90-89 Premium valve stem seals incl.		Re-ring			205-6812	-----
		Re-ring w/Mains			205-6812M	-----
2 1.8L 110.8 (1817cc) SOHC L4 (8 Valve), 84mm Bore (Isuzu Eng.) 1982-72 L/D Truck VIN Code "N" 1972-82, Eng. Code "G180Z" 1972-82						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain	82-81	222-3DR58	Double rlr.; 58 Links	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	82-76	CS-720	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	82-76	55-400		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	82-76	R-901		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	82-80	V-2251 Std Only	Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L.	
	4	Exhaust	79-76	V-2180 Std Only	Chrome plated stem; 1.3360" Head Dia., .3125" Stem Dia., 4.3620" O.A.L.	
	4	Intake	82-80	V-2252 Std Only	Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	82-76	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	82-76	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	
	4	Guide	75-72	VG-729	Exh.; .3145" ID, 1.9900" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	82-72	ST-2034	Positive type; Viton®	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	79-76	245-1750-51 Std Only	1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	82-72	VK-215	.030"; Carton of 100	
	8	Spring Insert	82-72	259-106B		
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	82-72	4-3574Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	82-72	E-357KC Std-1.00MM	2-2.00MM, 1-4.00MM	
	1	Standard Set	82-72	E-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	82-72	WE-357KC Std-.50-.75MM	2-2.00MM, 1-4.00MM	
	4	Standard Single Cylinder Set	82-72	WE-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	82-72	5028M Std-.25-.50-.75MM	Position 3	
	1	Thrust Washer Set	82-72	3571BF Std Only		
	1	Rod Set	82-72	4-3570CPB Std-.25-.50-.75-1.00MM		

(continued on next page)

GMC Truck (Includes Minivans)

1.8L 110.8 (1817cc) SOHC L4 (8 Valve), 84mm Bore (Isuzu Eng.) 1982-72 2						
L/D Truck VIN Code "N" 1972-82, Eng. Code "G180Z" 1972-82 (cont.)						
QTY 1	GASKETS Kit Gasket Set	YEARS 82-76	PART NO. 260-1090	DESCRIPTION PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
	RE-RING KIT YEARS 82-76 DESCRIPTION PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring	PREMIUM KIT NO. 205-829	ECONOMY KIT NO. 205-329
1.9L 118.9 (1949cc) SOHC L4 (8 Valve), 87mm Bore (Isuzu Eng.) 1985-82 3						
L/D Truck VIN Code "A" 1982-85, Eng. Code "G200Z" 1982-85						
QTY 1 1	CAMSHAFT/LIFTER Camshaft Prelube	YEARS 85-82 85-82	PART NO. CS-720 55-400	DESCRIPTION 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY 8	ROCKER PARTS Arm	YEARS 85-82	PART NO. R-901	DESCRIPTION		
QTY 4 4	VALVE Exhaust Intake	YEARS 85-82 85-82	PART NO. V-2251 Std Only V-2252 Std Only	DESCRIPTION Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L. Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.		
QTY 4 4	VALVE GUIDE Guide Guide	YEARS 85-82 85-82	PART NO. VG-697 VG-698	DESCRIPTION Exh.; .3148" ID, 2.1600" O.A.L. Int.; .3145" ID, 1.8000" O.A.L.		
QTY 8	VALVE SPRING Spring	YEARS 85-84	PART NO. VS-1528	DESCRIPTION 1.8960" Free Height		
QTY 8	VALVE SEAL Valve Stem Seal	YEARS 85-82	PART NO. ST-2034	DESCRIPTION Positive type; Viton®		
QTY 4	VALVE SEAT Int.	YEARS 85-82	PART NO. 245-1750-51 Std Only	DESCRIPTION 1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth		
QTY 16	VALVE, MISC Keeper	YEARS 85-82	PART NO. VK-215	DESCRIPTION		
QTY 4 1	PISTON Cast Piston Pin Bushing Set	YEARS 85-83 85-82	PART NO. 592P.75MM .75-1.00MM 4-3574Y	DESCRIPTION Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.455" CD, .8662" Pin Dia., Flat Head		
QTY 1 1 1 4 4	RINGS Premium Set Premium Set Premium Set Premium Single Cylinder Set Premium Single Cylinder Set	YEARS 85-83 82 82 85-83 82	PART NO. E-484K.75MM .75MM E-483KC Std-.50-1.00MM E-483K.75MM Std-.75MM WE-484K Std Only WE-483K Std-.75MM	DESCRIPTION 2-1.50MM, 1-4.00MM 2-2.00MM, 1-4.00MM 2-2.00MM, 1-4.00MM 2-1.50MM, 1-4.00MM 2-2.00MM, 1-4.00MM		
QTY 1 1 1 1	ENGINE BEARINGS Main Set Thrust Washer Set Rod Set Cam Set	YEARS 85-82 85-82 85-82 85-82	PART NO. 5028M Std-.25-.50-.75MM 3571BF Std Only 4-3570CPB Std-.25-.50-.75-1.00MM 1858M Std Only	DESCRIPTION Position 3		
QTY 1	GASKETS Kit Gasket Set	YEARS 85-82	PART NO. 260-1090	DESCRIPTION PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
	RE-RING KIT YEARS 85-83 DESCRIPTION PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring	PREMIUM KIT NO. 205-6035	ECONOMY KIT NO. -----
2.0L 121 (1989cc) OHV L4 (Chevrolet), 89mm Bore 1984-83 4						
L/D Truck VIN Code "Y" 1983-84						
QTY 1 1 1 1 1	TIMING 3 Piece Set Timing Chain Timing Chain Tensioner Crank Sprocket Cam Sprocket	YEARS 84-83 84-83 84-83 84-83 84-83	PART NO. KT3-370S 222-370 222-115CT 223-549 223-558	DESCRIPTION Incl. silent type chain; Incl. (1) 222-370, (1) 223-549, (1) 223-558 Silent type; 58 Links 20 Teeth 40 Teeth		
QTY 8 8	CAMSHAFT/LIFTER Lifter Lifter, Bulk	YEARS 84-83 84-83	PART NO. HT-969 Std Only HT-969B Std Only	DESCRIPTION Hyd.; w/.440" wide oil groove Hyd.; Carton of 128		

(continued on next page)

GMC Truck (Includes Minivans)

4 2.0L 121 (1989cc) OHV L4 (Chevrolet), 89mm Bore 1984-83 (cont.) L/D Truck VIN Code "Y" 1983-84					
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	84-83	RP-3231	7.2060" O.A.L.
	8	Push Rod, Bulk	84-83	BRP-3231	Carton of 100; 7.2060" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	84-83	R-881	Incl. arm, ball & nut
	8	Arm Assy., Bulk	84-83	R-881B	Incl. arm, ball & nut; Carton of 64
	8	Arm	84-83	R-881A	
	8	Pivot Ball	84-83	MR-1838	
	8	Stud	84-83	MR-1883	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	84-83	VS-727	Incl. damper; 1.9100" Free Height	
8	Spring, Bulk	84-83	VS-727B	Incl. damper; Carton of 250; 1.9100" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
4	Valve Stem Seal	84-83	ST-2043	Exh.; Positive type; Rubber	
4	Valve Stem Seal	84-83	ST-2044	Int.; Positive type; Rubber	
4	Valve Stem Seal Bulk	84-83	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	84-83	VK-216	1 groove	
16	Keeper, Bulk	84-83	VK-216B	1 groove; Carton of 1000	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-83	E-428K.75MM .75-1.00-1.50MM	Use w/493NP piston; 2-1.50MM, 1-4.76MM
	1	Standard Set	84-83	E-428X Std Only	Use w/493NP piston; 2-1.50MM, 1-4.76MM
	1	Standard Set	84-83	E-460X Std Only	2-2.00MM, 1-4.76MM; Use w/O.E. piston
	4	Premium Single Cylinder Set	84-83	WE-428K.75MM .75-1.00MM	Use w/W493NP .75mm piston; 2-1.50MM, 1-4.76MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-83	5138MA Std-.25-.50-.75MM	A-Series aluminum bearings
	1	Rod Set	84-83	4-2020CP Std-1-10-20-30-40	
	4	Rod Pair	84-83	2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	84-83	1485M Std-2	Full round design
1	Cam Set	84-83	1786M Std Only	O.E. split type design	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	84-83	224-4151		
1	Inter. Shaft	84-83	224-6151		
1	Oil Pump Shaft Guide	84-83	224-43351	Nylon	
1	Tool	84-83	MT-J21882	Pump screen installation tool for 5/8" tube	
5 2.2L 136.5 (2238cc) OHV Diesel L4 (8 Valve), 88mm Bore (Isuzu Eng.) 1985-81 L/D Truck VIN Code "S" 1981-85, Eng. Code "C223" 1981-85					
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	85-84	E-786KC Std Only	2-2.00MM, 1-4.00MM; Use w/Cast iron liners
	1	Premium Set	82-81	E-837KC Std Only	1-2.50MM, 1-2.00MM, 1-4.50MM; Use w/Cast iron liners
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-81	7094M Std-.25MM	
	1	Thrust Washer Set	85-81	67006BF Std Only	Position 3
1	Rod Set	85-81	4-4000CP Std-.25-.50-.75-1.00MM		
1	Cam Set	85-81	1746M Std Only		
6 2.3L 140 SOHC L4 (Chevrolet), 3.5" Bore 1975-71 L/D Truck VIN Codes "A" 1971-75, "B" 1971-75					
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	75-71	4-2020CP Std-1-10-20-30-40	
	4	Rod Pair	75-71	2020CP Std-1-2-10-20-30-40-50	
7 2.4L 145 OHV H6 (Corvair), 3.4375" Bore 1963-61 L/D Truck					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	63-61	HT-817 Std Only	Hyd.
	12	Lifter, Bulk	63-61	HT-817B Std Only	Hyd.; Carton of 128
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
12	Pivot Ball	63-61	MR-1783		
12	Nut	63-61	MR-1751	Self-locking, 3/8" x 24 threads	

(continued on next page)

GMC Truck (Includes Minivans)

2.4L 145 OHV H6 (Corvair), 3.4375" Bore 1963-61 **7**
L/D Truck (cont.)

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	63-61	VG-6182	.3435" ID, 2.2200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	63-61	VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	63-61	ST-2012	Positive type; PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	63-61	VK-115	1 groove; Square cut key groove
24	Keeper	63-61	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	63-61	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	63-61	4063M Std-10	Full flanged brgs.
1	Rod Set	63-61	6-2385CP Std-10	
6	Rod Pair	63-61	2385CP Std-10	

2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-85 **8**
L/D Truck VIN Codes "A" 1991-93, "E" 1985-91

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Gear Set	90-85	221-2542LS	Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542
1	Crank Gear	90-85	221-2537	27 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-85	CS-782	VIN Code "E"
8	Lifter	90-85	HT-2148 Std Only	Hyd. rlr.
8	Lifter, Bulk	90-85	HT-2148B Std Only	Hyd. rlr.; Carton of 128
1	Prelube	90-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-85	KC-782	VIN Code "E"; Hyd. rlr.; Incl. (1) CS-782, (8) HT-2148, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-85	KCT-782	VIN Code "E"; Hyd. rlr.; Incl. laminated cam gear; Incl. (1) CS-782, (8) HT-2148, (1) 221-2542LS, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
8	Push Rod	90-87	RP-3263	8.2720" O.A.L.
8	Push Rod	86-85	RP-3170	8.3830" O.A.L.
8	Push Rod, Bulk	90-87	BRP-3263	Carton of 100; 8.2720" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	90-85	R-894	Incl. arm & 2-pivots
8	Arm Assy., Bulk	90-85	R-894B	Incl. arm & 2-pivots; Carton of 64
8	Arm	90-85	R-894A	
8	Pivot Ball	90-85	MR-1832	Hole I.D. .4365"
8	Pivot Ball	90-85	MR-1841	Hole I.D. .4745"
8	Nut	90-85	MR-1934	3/8" x 24 UNF
8	Bolt	86-85	MR-1936	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-89	V-2529 Std-15	Chrome plated stem; 1.5000" Head Dia., .3133" Stem Dia., 4.5410" O.A.L.
4	Exhaust	88-87	V-2436 Std Only	Chrome plated stem; 1.5000" Head Dia., .3132" Stem Dia., 4.3550" O.A.L.
4	Exhaust	86-85	V-2203 Std Only	Chrome plated stem; 1.5000" Head Dia., .3422" Stem Dia., 4.6200" O.A.L.
4	Exhaust, Bulk	90-89	V-2529B15 15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3258" Stem Dia., 4.5410" O.A.L.
4	Intake	90-89	V-2530 Std-15	Chrome plated stem; 1.7201" Head Dia., .3135" Stem Dia., 4.5910" O.A.L.
4	Intake	88-87	V-3941 Std Only	Chrome plated stem; 1.7200" Head Dia., .3135" Stem Dia., 4.3940" O.A.L.
4	Intake	86-85	V-2204 Std Only	Chrome plated stem; 1.7200" Head Dia., .3422" Stem Dia., 4.6690" O.A.L.
4	Intake, Bulk	90-89	V-2530B15 15	Chrome plated stem; Carton of 25; 1.7201" Head Dia., .3285" Stem Dia., 4.5910" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-85	VG-5005H	Exh. & Int.; w/.343" stem dia.; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide	90-85	VG-5005T	Exh. & Int.; w/.343" stem dia.; Threaded; .3425" ID, 2.2500" O.A.L.
8	Guide	90-85	VG-5083T	Exh. & Int.; Threaded; w/8.0MM valve stem dia.; .3150" ID, 2.2500" O.A.L.
8	Guide	86-85	VG-5005	Exh. & Int.; w/.343" stem dia.; .3430" ID, 2.2500" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

8 2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-85 (cont.) L/D Truck VIN Codes "A" 1991-93, "E" 1985-91					
VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Guide, Bulk	90-85	VG-5005TB	Exh. & Int.; w/.343" stem dia.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk	86-85	VG-5005B	Exh. & Int.; w/.343" stem dia.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-89	VS-922	Incl. damper; 2.0080" Free Height
	8	Spring	88-87	VS-861	Incl. damper; 1.8240" Free Height
	8	Spring, Bulk	88-87	VS-861B	Incl. damper; Carton of 300; 1.8240" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-87	ST-2087	Exh. & Int.; Positive type; Viton®
	8	Valve Stem Seal	86-85	MV-1233C	O-Ring; Rubber
	8	Valve Stem Seal Bulk	86-85	MV-1233	O-Ring; Carton of 100; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-85	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	4	Exh.	90-85	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	4	Int.	90-85	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	4	Int.	90-85	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-87	VK-216	1 groove
	16	Keeper	86-85	VK-115	1 groove; Square cut key groove
	16	Keeper	86-85	VK-115R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk	90-87	VK-216B	1 groove; Carton of 1000
	16	Keeper, Bulk	86-85	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-85	H547CP Std-20-30-40-60	VIN Code "E"; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston	90-85	H547P Std-20-30-40-60	VIN Code "E"; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
	4	Cast Piston - Individual	90-85	WH547CP Std-20-30-40-60	VIN Code "E"; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston - Individual	90-85	WH547P Std-20-30-40-60	VIN Code "E"; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-85	4KH547CP60 60	VIN Code "E"; Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-85	E-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	1	Standard Set	90-85	E-384X Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	4	Premium Single Cylinder Set	90-85	WE-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-85	6689MA Std-1-10-20-30	A-Series aluminum bearings
	1	Rod Set	90-85	4-2500RAA Std-1-10-20-30-40	A-Series aluminum bearings
	1	Rod Set	90-85	4-2500RAA10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	4	Rod Pair	90-85	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	90-85	1461M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-85	224-41239	High Volume, check pan for clearance
	1	Oil Pump	90-85	224-41239V	
	1	Inter. Shaft	90-85	224-61239	
	1	Screen Assy.	90-85	224-11239	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1482	Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87	260-1228	Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-85	260-1178	Exh. pipe packing not incl.; Premium valve stem seals incl.
	1	Head Bolt Set	90-85	260-2504	Replacement recommended

(continued on next page)

GMC Truck (Includes Minivans)

2.5L 151 OHV L4 (Pontiac), 4" Bore 1990-85 **8**
L/D Truck VIN Codes "A" 1991-93, "E" 1985-91 (cont.)

QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-86	381-8074			
1	Brass Block Plug Kit	85	381-8045			
K I T S	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	90-88	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6155	205-1155
			Re-ring w/Mains		205-6155M	205-1155M
	87	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-6007	205-1007
			Re-ring w/Mains		205-6007M	205-1007M
	86-85	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring		205-769A	205-269A
			Re-ring w/Mains		205-769AM	205-269AM
	OVERHAUL KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	90-88	VIN Code "E"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. laminated cam gear	Master		MKP-6155A	MKP-1155A
			Master w/o Pistons		MK-6155A	MK-1155A
	90-88	VIN Code "E"; Exh. pipe packing not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6155A	505-1155A
	87	VIN Code "E"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. laminated cam gear	Master		MKP-6007A	MKP-1007A
			Master w/o Pistons		MK-6007A	MK-1007A
	87	VIN Code "E"; Exh. pipe packing not incl.; Premium valve stem seals incl.; Incl. laminated cam gear	Master w/o Rods & Mains		505-6007A	505-1007A

2.5L 153 OHV L4 (Chevrolet), 3.875" Bore 1967-63 **9**
L/D Truck

QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Gear Set	65	221-2525S	Incl. (1) 221-2524, (1) 221-2537		
1	Gear Set	64	221-2525S	P10 Series & G10 Van; Incl. (1) 221-2524, (1) 221-2537		
1	Gear Set	64-63	221-2523S	Incl. (1) 221-2522, (1) 221-2537		
1	Crank Gear	65-63	221-2537	27 Teeth		
1	Cam Gear	65	221-2524	Alum.; 54 Teeth		
1	Cam Gear	64	221-2524	P10 Series & G10 Van; Alum.; 54 Teeth		
1	Cam Gear	64-63	221-2522	Alum.; 54 Teeth		
V A L V E T R A I N	CAMSHAFT/LIFTER				DESCRIPTION	
	8	Lifter	65-63	HT-817 Std Only	Hyd.	
	8	Lifter, Bulk	65-63	HT-817B Std Only	Hyd.; Carton of 128	
	PUSH ROD				DESCRIPTION	
	8	Push Rod	65-63	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	8	Push Rod	65-63	RP-3180	9.6800" O.A.L.	
	8	Push Rod, Bulk	65-63	BRP-3180	Carton of 100; 9.6800" O.A.L.	
	ROCKER PARTS				DESCRIPTION	
	8	Arm Assy.	65-63	R-832	Incl. arm, ball & nut	
	8	Arm Assy., Bulk	65-63	R-832B	Incl. arm, ball & nut; Carton of 64	
V A L V E T R A I N	8	Arm	65-63	R-832A		
	8	Pivot Ball	65-63	MR-1780		
	8	Nut	65-63	MR-1751	Self-locking, 3/8" x 24 threads	
	8	Stud	65-63	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	8	Stud	65-63	MR-1949	3/8" x 24 x 2.495"	
	VALVE				DESCRIPTION	
	4	Exhaust	65-63	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	4	Exhaust, Bulk	65-63	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	4	Intake	65-63	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
	4	Intake, Bulk	65-63	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
V A L V E T R A I N	VALVE SPRING				DESCRIPTION	
	8	Spring	65-63	VS-521	Incl. damper; 2.1090" Free Height	
	VALVE SEAL				DESCRIPTION	
	8	Valve Stem Seal	65-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	8	Valve Stem Seal	65-63	MV-1233C	O-Ring; Rubber	
	8	Valve Stem Seal Bulk	65-63	MV-1233	O-Ring; Carton of 100; Rubber	
	8	Valve Stem Seal Bulk	65-63	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	VALVE SEAT				DESCRIPTION	
	4	Exh.	65-63	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth	

(continued on next page)

GMC Truck (Includes Minivans)

9 2.5L 153 OHV L4 (Chevrolet), 3.875" Bore 1967-63 (cont.) L/D Truck						
QTY		VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION	
4		Exh.	65-63	245-1562-2	Std Only 1.5675" OD, 1.3125" ID, .2480" Depth	
4		Int.	65-63	245-1812-3	Std Only 1.8175" OD, 1.5000" ID, .2160" Depth	
QTY		VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16		Keeper	65-63	VK-115	1 groove; Square cut key groove	
16		Keeper	65-63	VK-115R	1 groove; Square cut key groove; Hardened	
16		Keeper, Bulk	65-63	VK-115B	1 groove; Square cut key groove; Carton of 1000	
8		Spring Insert	65-63	259-203C	.015"; Carton of 100	
8		Spring Insert	65-63	259-203B	.030"; Carton of 100	
8		Spring Insert	65-63	259-203BRS	.030"; Carton of 500	
8		Spring Insert	65-63	259-203A	.060"; Carton of 100	
8		Spring Insert	65-63	259-203ARS	.060"; Carton of 500	
4		Rotocap	65-63	RC-157S		
QTY		PISTON	YEARS	PART NO.	DESCRIPTION	
4		Cast Piston	65-63	1108P	Std-20-30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs	
4		Cast Piston	65-63	1108NP *	Std-20-30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	
4		Cast Piston - Individual	65-63	W1108NP30 *	30 Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	
QTY		RINGS	YEARS	PART NO.	DESCRIPTION	
1		Premium Set	65-63	E-450K	Std-20-30-40-60 2-5/64, 1-3/16	
1		Standard Set	65-63	E-450X	Std-20-30-40-60 2-5/64, 1-3/16	
4		Premium Single Cylinder Set	65-63	WE-450K	Std-20-30-40-60 2-5/64, 1-3/16	
4		Standard Single Cylinder Set	65-63	WE-450X	Std-20-30-40-60 2-5/64, 1-3/16	
QTY		ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1		Main Set	65-63	4123MA	Std-1-10-20-30 A-Series aluminum bearings	
1		Rod Set	65-63	4-2020CP	Std-1-10-20-30-40	
4		Rod Pair	65-63	2020CP	Std-1-2-10-20-30-40-50	
1		Cam Set	65-63	1202M	Std Only	
QTY		OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1		Oil Pump	65-63	224-4147		
1		Oil Pump	65-63	224-4157	High Volume, check pan for clearance	
QTY		GASKETS	YEARS	PART NO.	DESCRIPTION	
1		Kit Gasket Set	67-63	260-1230		
RE-RING KIT				PREMIUM KIT NO.		ECONOMY KIT NO.
YEARS		DESCRIPTION				
65-63				Re-ring		205-6009 205-1009
65-63		Incl. A-Series aluminum bearings		Re-ring w/Mains		205-6009M 205-1009M

10 2.6L 159 OHV Diesel L3 (3-53), 3.875" Bore (Detroit Diesel Eng.) 1970-67 L/D Truck VIN Code "T" 1965-70, 3-53 (2-Valve Cyl. Head), 3-53N (4-Valve Cyl. Head) Engs.						
QTY		PISTON	YEARS	PART NO.	DESCRIPTION	
3		Pin Bushing	70-67	2619Y20	2 req'd. per rod; O.E. No. 5116181	
QTY		ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
4		Plain Main Brg.	70-67	2611CPA	Std-10-20-30	
1		Thrust Washer Set	70-67	2611AF	Std Only Position Rear	
3		Rod Pair	70-67	2610CPA	Std-10-20-30-40	
1		Cam Set	70-67	1211M	Std Only	

11 2.7L 164 OHV H6 (Corvair), 3.4375" Bore 1964 L/D Truck						
QTY		CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12		Lifter	64	HT-817	Std Only Hyd.	
12		Lifter, Bulk	64	HT-817B	Std Only Hyd.; Carton of 128	
QTY		PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12		Push Rod	64	RP-3077	10.2850" O.A.L.	
QTY		ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
12		Pivot Ball	64	MR-1783		
12		Nut	64	MR-1751	Self-locking, 3/8" x 24 threads	
QTY		VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12		Guide	64	VG-6182	.3435" ID, 2.2200" O.A.L.	
QTY		VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12		Spring	64	VS-521	Incl. damper; 2.1090" Free Height	
QTY		VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12		Valve Stem Seal	64	MV-1903	Use w/repair guide; Positive type; Rubber	

(continued on next page)

GMC Truck (Includes Minivans)

2.7L 164 OHV H6 (Corvair), 3.4375" Bore 1964 11					
L/D Truck (cont.)					
BLOCK	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	64	ST-2012	Use w/O.E. guide; Positive type; PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	64	VK-115	1 groove; Square cut key groove
	24	Keeper	64	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	64	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Powerforged	64	L-2206F Std-20-30-40-60	Powerforged; 2-1/16", 1-1/8" Ring Groove, 1.584" CD, .8001" Pin Dia., Flat Head; DurOshield® skirt coated piston
	6	Forged Piston - Individual	64	WL-2206F Std-20-30-40-60	Powerforged; 2-1/16", 1-1/8" Ring Groove, 1.584" CD, .8001" Pin Dia., Flat Head; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	64	E-227K Std-20-30-40-60	2-1/16, 1-1/8	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	64	4063M Std-10	Full flanged brgs.	
1	Rod Set	64	6-2385CP Std-10		
6	Rod Pair	64	2385CP Std-10		
2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1990-82 12					
L/D Truck VIN Codes "B" 1982-85, "R" 1986-93					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90-82	KT3-368S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511
	1	3 Piece Set	90-82	KT3-373S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511
	1	Timing Chain	90-82	222-368	11 links wide; 64 Links
	1	Chain Damper	90-82	222-59CT	
	1	Crank Sprocket	90-82	223-511	20 Teeth
	1	Cam Sprocket	90-82	223-506	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-86	CS-1539	
	1	Camshaft	85-82	CS-715	
	12	Lifter	90-82	HT-2095 Std Only	Hyd.
	12	Lifter, Bulk	90-82	HT-2095B Std Only	Hyd.; Carton of 128
	1	Prelube	90-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-86	KC-1539	Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
	1	Cam/Lifter Kit	85-82	KC-715	Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
	1	Cam/Lifter/Timing Kit	85-82	KCT-715	Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-82	RP-3207	6.1630" O.A.L.
	12	Push Rod, Bulk	90-82	BRP-3207	Carton of 100; 6.1630" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-82	R-881	Incl. arm, ball & nut
	12	Arm Assy., Bulk	90-82	R-881B	Incl. arm, ball & nut; Carton of 64
	12	Arm	90-82	R-881A	
	12	Pivot Ball	90-82	MR-1838	
	12	Stud	90-82	MR-1883	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-86	V-2290 Std-15	Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
	6	Exhaust	85-82	V-2172 Std Only	Chrome plated stem; 1.3070" Head Dia., .3413" Stem Dia., 4.7300" O.A.L.
	6	Exhaust, Bulk	90-86	V-2290B15 15	Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6	Intake	90-86	V-2291 Std-15	Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.	
6	Intake	85-82	V-2173 Std-15	Chrome plated stem; 1.5980" Head Dia., .3410" Stem Dia., 4.6970" O.A.L.	
6	Intake, Bulk	90-86	V-2291B15 15	Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.	
6	Intake, Bulk	85-82	V-2173B15 15	Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3563" Stem Dia., 4.7000" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	90-82	VG-1377	Exh. & Int.; w/Alum. heads; Incl. lock ring; Threaded; .3155" ID, 2.0850" O.A.L.	

(continued on next page)

GMC Truck (Includes Minivans)

12 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1990-82
 (cont.) L/D Truck VIN Codes "B" 1982-85, "R" 1986-93

VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-82	VG-5080	Exh. & Int.; w/Cast iron head; .3440" ID, 2.0000" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-82	VS-798	Exh. & Int.; 1.9100" Free Height
	12	Spring, Bulk	90-82	VS-798B	Exh. & Int.; Carton of 250; 1.9100" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-82	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal	90-82	MV-1888A	Positive type; Viton®
	12	Valve Stem Seal Bulk	90-82	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	90-82	MV-1888	Positive type; Carton of 50; Viton®
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-86	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	90-86	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	90-86	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	6	Int.	90-86	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	6	Exh.	85-82	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
	6	Exh.	85-82	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
	6	Int.	85-82	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	6	Int.	85-82	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
BLOCK	24	Keeper	90-82	VK-115	1 groove; Square cut key groove
	24	Keeper	90-82	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	90-82	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	90-82	259-201B	.030"; Carton of 100
	12	Spring Insert	90-82	259-201A	.060"; Carton of 100
	12	Spring Insert	90-82	259-201ARS	.060"; Carton of 500
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-86	516P Std-.50-.75-1.00-1.50MM	Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
	6	Cast Piston	90-86	516CP.50MM .50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
	6	Cast Piston	85-82	464P Std-.50-.75-1.00-1.50MM	Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
BLOCK	6	Cast Piston	85-82	464CP Std-.50-.75-1.00-1.50MM	VIN Code "B"; Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
	6	Cast Piston - Individual	90-86	W516P Std-.50-.75-1.00-1.50MM	Use w/WE-432K or WE-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
	6	Cast Piston - Individual	90-86	W516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 1-1.75mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
	6	Cast Piston - Individual	85-82	W464CP Std-.50-.75-1.00-1.50MM	VIN Code "B"; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
	6	Cast Piston - Individual	85-82	W464P Std-.50-.75-1.00-1.50MM	VIN Code "B"; Use w/WE-411K or WE-411X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
	1	Cast Piston Set w/Prem. Rings	85-82	6K464CP.75MM .75-1.00MM	VIN Code "B"; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, 23.0mm Pin Dia., Flat Head; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-85	E-432K Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
	1	Premium Set	84-82	E-411K Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
	1	Premium Set	84-82	E-411KC Std-.50-.75-1.00MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
	1	Standard Set	90-85	E-432X Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
	1	Standard Set	84-82	E-411X Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM

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GMC Truck (Includes Minivans)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1990-82 **12**
L/D Truck VIN Codes "B" 1982-85, "R" 1986-93 (cont.)

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Premium Single Cylinder Set	90-86	WE-478K Std-.50-.75-1.00MM	Use w/W516CP .50mm piston; 2-1.50MM, 1-4.00MM	
	6	Premium Single Cylinder Set	90-85	WE-432K Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove	
	6	Premium Single Cylinder Set	84-82	WE-411K Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM	
	6	Standard Single Cylinder Set	90-86	WE-478X Std-.50-.75-1.00MM	Use w/W516CP .50mm piston; 2-1.50MM, 1-4.00MM	
	6	Standard Single Cylinder Set	90-85	WE-432X Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove	
	6	Standard Single Cylinder Set	84-82	WE-411X Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-85	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.	
	1	Main Set	90-85	7242MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings ; 3/4 grooved	
BLOCK	1	Main Set	85-82	5090MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size	BLOCK
	1	Main Set	85-82	7243MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size; .50MM O/S length flange brg.	
	1	Main Set	85-82	7241MA Std-.25-.50-.75MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size; 3/4 grooved	
	1	Rod Set	90-82	6-4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
	1	Rod Set	90-82	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore	
	6	Rod Pair	90-82	4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
	6	Rod Pair	90-82	4020P + Std-.026MM	When depleted use 4020A	
	1	Cam Set	90-82	1492M Std Only	Full round design	
	1	Cam Set	90-82	1785M Std Only	O.E. split type design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Oil Pump	90	224-4148V	1st design; High Volume, check pan for clearance; 5/8" inlet	BLOCK
	1	Oil Pump	90	224-4148	1st design; 5/8" inlet	
	1	Oil Pump	90	224-4152V	2nd design; 2nd Design; High Volume, check pan for clearance; 3/4" inlet	
	1	Oil Pump	90	224-4152	2nd design; 3/4" inlet	
	1	Oil Pump	89-82	224-4148V	High Volume, check pan for clearance; 5/8" inlet	
	1	Oil Pump	89-82	224-4148	5/8" inlet	
	1	Pump Repair Kit	90-82	224-51317		
	1	Inter. Shaft	90-82	224-6148		
	1	Oil Pump Shaft Guide	90-82	224-43351	Nylon	
	1	Screen Assy.	90-86	224-14266	VIN Code "R"; 3/4" inlet tube	
BLOCK	1	Screen Assy.	90-86	224-14232	VIN Code "R"; 5/8" inlet tube	BLOCK
	1	Screen Assy.	90-82	224-14265	2WD; 3/4" inlet tube	
	1	Screen Assy.	90-82	224-1348	2WD; 5/8" inlet tube	
	1	Screen Assy.	85-82	224-14266	VIN Code "B"; 3/4" inlet tube	
	1	Screen Assy.	85-82	224-14232	VIN Code "B"; 5/8" inlet tube	
	1	Tool	90-82	MT-J21882	Pump screen installation tool for 5/8" tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-87	260-1232	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86	260-1144	Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85	260-1143	w/11mm thick one-piece rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Premium valve stem seals incl.	
BLOCK	1	Kit Gasket Set	85-82	260-1123	w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Exh. pipe packing not incl.; Premium valve stem seals incl.	BLOCK
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-82	381-8046		
	1	Steel Block Plug Kit	90-82	381-4012		
	QTY	RE-RING KIT	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	1	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	90-87	Re-ring	205-6296	205-1296
	1	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	90-87	Re-ring w/Mains	205-6296M	205-1296M
	QTY	RE-RING KIT	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
	1	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	90-87	Re-ring	205-6296	205-1296
	1	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	90-87	Re-ring w/Mains	205-6296M	205-1296M

(continued on next page)

+ Superseded Part Number

GMC Truck (Includes Minivans)

12 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1990-82
 (cont.) L/D Truck VIN Codes "B" 1982-85, "R" 1986-93

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	86	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.	Re-ring w/Mains	205-728AM	205-228AM
	86	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-728A	205-228A
	85	w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Shallow oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains	205-6298M	205-1298M
	85	w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Shallow oil ring groove set; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-6298	205-1298
	85	w/11mm thick rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains	205-727M	205-227M
	85	w/11mm thick rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.	Re-ring w/Mains	205-727AM	205-227AM
	85	w/11mm thick rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-727A	205-227A
	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains	205-699M	205-199M
K I T S	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring	205-699	205-199
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	1st design; Exh. pipe packing not incl.; Shallow oil ring groove set; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-6011A	505-1011A
	90	1st design; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-6011B MK-6011B	MKP-1011B MK-1011B
	90	2nd design; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-6011C MK-6011C	MKP-1011C MK-1011C
	90	2nd design; Exh. pipe packing not incl.; Shallow oil ring groove set; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	----	505-1011C
	90-87	1st design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs	BKP-6015	----
	90-87	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.	Block	BK-6016	----

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GMC Truck (Includes Minivans)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore 1990-82 12
L/D Truck VIN Codes "B" 1982-85, "R" 1986-93 (cont.)

K I T S	OVERHAUL KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-87	2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump	Block w/Pump & Freeze Plugs		BKP-6016	-----
	89-87	Exh. pipe packing not incl.; Shallow oil ring groove set; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains		505-6011A	505-1011A
	89-87	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons		MKP-6011B MK-6011B	MKP-1011B MK-1011B
	86	Exh. pipe packing not incl.; Shallow oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains		505-728E	505-228E
	86	Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master Master w/o Pistons		MKP-728L MK-728L	MKP-228L MK-228L
	85	w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons		-----	MK-1033A
	85	w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons		MK-6033B	-----
	85	w/11mm thick rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons		MK-727H	MK-227H
K I T S	85	w/11mm thick rear main brg. seal; Casting No. 14072061; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons		MK-727K	MK-227K
	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains		505-699A	505-199A
	84-82	Deep oil ring groove set; Exh. pipe packing not incl.; w/5.5mm thick one-piece rear main brg. seal; Casting No. 14033068; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master Master w/o Pistons		MKP-699D MK-699D	MKP-199D MK-199D

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990 13
L/D Truck VIN Code "D" 1990-95

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-372S	Incl. chain 9 links wide; Incl. (1) 222-372, (1) 223-619, (1) 223-620
1	Timing Chain	90	222-372	9 links wide; 64 Links
1	Chain Damper	90	222-59CTN	
1	Crank Sprocket	90	223-619	20 Teeth
1	Cam Sprocket	90	223-620	40 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90	CS-715	
12	Lifter	90	HT-2095 Std Only	Hyd.
12	Lifter, Bulk	90	HT-2095B Std Only	Hyd.; Carton of 128

(continued on next page)

GMC Truck (Includes Minivans)

13 3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990
(cont.) L/D Truck VIN Code "D" 1990-95

QTY	CAMSHAFT/LIFTER		YEARS	PART NO.	DESCRIPTION
	(cont.)	Prelube			
1			90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT		YEARS	PART NO.	DESCRIPTION
1		Cam/Lifter Kit	90	KC-715	Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B
1		Cam/Lifter/Timing Kit	90	KCT-715A	Hyd.; Incl. chain 9 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-372S, (1) 55-403B
QTY	PUSH ROD		YEARS	PART NO.	DESCRIPTION
12		Push Rod	90	RP-3207	6.1630" O.A.L.
12		Push Rod, Bulk	90	BRP-3207	Carton of 100; 6.1630" O.A.L.
QTY	ROCKER PARTS		YEARS	PART NO.	DESCRIPTION
12		Arm Assy.	90	R-881	Adj.; Use w/MR-1883 stud; Incl. arm, ball & nut
12		Arm Assy., Bulk	90	R-881B	Adj.; Use w/MR-1883 stud; Incl. arm, ball & nut; Carton of 64
12		Arm	90	R-881A	Adj.; Use w/MR-1883 stud
12		Pivot Ball	90	MR-1838	
12		Stud	90	MR-1883	
QTY	VALVE		YEARS	PART NO.	DESCRIPTION
6		Exhaust	90	V-2290 Std-15	Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
6		Exhaust, Bulk	90	V-2290B15 15	Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6		Intake	90	V-2291 Std-15	Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
6		Intake, Bulk	90	V-2291B15 15	Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.
QTY	VALVE GUIDE		YEARS	PART NO.	DESCRIPTION
12		Guide	90	VG-1377	Exh. & Int.; w/Alum. heads; Incl. lock ring; Threaded; .3155" ID, 2.0850" O.A.L.
12		Guide	90	VG-5080	Exh. & Int.; w/Cast iron head; .3440" ID, 2.0000" O.A.L.
QTY	VALVE SPRING		YEARS	PART NO.	DESCRIPTION
12		Spring	90	VS-798	Exh. & Int.; 1.9100" Free Height
12		Spring, Bulk	90	VS-798B	Exh. & Int.; Carton of 250; 1.9100" Free Height
QTY	VALVE SEAL		YEARS	PART NO.	DESCRIPTION
12		Valve Stem Seal	90	MV-1233C	O-Ring; Rubber
12		Valve Stem Seal Bulk	90	MV-1233	O-Ring; Carton of 100; Rubber
QTY	VALVE SEAT		YEARS	PART NO.	DESCRIPTION
6		Exh.	90	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
6		Exh.	90	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
6		Int.	90	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
6		Int.	90	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC		YEARS	PART NO.	DESCRIPTION
24		Keeper	90	VK-115	1 groove; Square cut key groove
24		Keeper	90	VK-115R	1 groove; Square cut key groove; Hardened
24		Keeper, Bulk	90	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON		YEARS	PART NO.	DESCRIPTION
6		Cast Piston	90	H562CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.442" CD, .9055" Pin Dia., Recessed Head .105" deep x 2.913" dia.; DurOshield® skirt coated piston
6		Cast Piston - Individual	90	WH562CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.442" CD, .9055" Pin Dia., Recessed Head .105" deep x 2.913" dia.; DurOshield® skirt coated piston
QTY	RINGS		YEARS	PART NO.	DESCRIPTION
1		Premium Set	90	E-605K Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1		Standard Set	90	E-605X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
6		Premium Single Cylinder Set	90	WE-605K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
6		Standard Single Cylinder Set	90	WE-605X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS		YEARS	PART NO.	DESCRIPTION
1		Main Set	90	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
1		Main Set	90	7242MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings; 3/4 grooved
1		Rod Set	90	6-4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
1		Rod Set	90	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore

(continued on next page)

GMC Truck (Includes Minivans)

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990 **13**

L/D Truck VIN Code "D" 1990-95 (cont.)

3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990 13 L/D Truck VIN Code "D" 1990-95 (cont.)						
BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	6	Rod Pair	90	4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
	6	Rod Pair	90	4020P + Std-.026MM	When depleted use 4020A	
	1	Cam Set	90	1492M Std Only	Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90	224-4148V	1st design; High Volume, check pan for clearance; 5/8" inlet	
	1	Oil Pump	90	224-4148	1st design; 5/8" inlet	
	1	Oil Pump	90	224-4152V	2nd design; 2nd Design; High Volume, check pan for clearance; 3/4" inlet	
	1	Oil Pump	90	224-4152	2nd design; 3/4" inlet	
	1	Pump Repair Kit	90	224-51317	1st design; w/5/8" inlet	
	1	Inter. Shaft	90	224-6148		
	1	Oil Pump Shaft Guide	90	224-43351	Nylon	
1	Screen Assy.	90	224-1248	1st design; 5/8" inlet		
1	Screen Assy.	90	224-14271	2nd design; 3/4" inlet		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1466	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90	381-8085			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6184	205-1184
	90	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	Re-ring w/Mains		205-6184M	205-1184M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.	Block		BK-6017	----
	90	1st design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump	Block w/Pump & Freeze Plugs		BKP-6017	----
	90	2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump	Block w/Pump & Freeze Plugs		BKP-6018	----
	90	Exh. pipe packing not incl.; Oil pump & freeze plugs not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.; Incl. chain 9 links wide	Master Master w/o Pistons		MKP-6184A MK-6184A	MKP-1184A MK-1184A
	90	Exh. pipe packing not incl.; Oil pump & freeze plugs not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. chain 9 links wide	Master w/o Rods & Mains		505-6184A	505-1184A
	90	2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. chain 9 links wide	Master w/o Pistons		MK-6184B	MK-1184B
90	2nd design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Incl. 3/4" inlet oil pump; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	Master		MKP-6184B	MKP-1184B	
90	2nd design; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. chain 9 links wide	Master w/o Rods & Mains		505-6184B	505-1184B	

(continued on next page)

GMC Truck (Includes Minivans)

13 3.1L 189 (3136cc) OHV V6 (Chevrolet), 89mm Bore 1990
(cont.) L/D Truck VIN Code "D" 1990-95

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MK-6379	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION			
	90	1st design; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 9 links wide			
	90	1st design; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump			
	90	1st design; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. A-Series aluminum bearings ; Incl. 3/4 grooved main brgs.; Incl. chain 9 links wide	Master	MKP-6379	-----

14 3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore 1966-63
L/D Truck

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Gear Set	66-63	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
	1	Crank Gear	66-63	221-2537	27 Teeth	
	1	Cam Gear	66-63	221-2524	Alum.; 54 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	66-63	CS-633	Hyd.	
	12	Lifter	66-63	HT-817 Std Only	Hyd.; Carton of 128	
	12	Lifter, Bulk	66-63	HT-817B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Cam/Lifter Kit	66-63	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	66-63	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Push Rod	66-63	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	12	Push Rod	66-63	RP-3180	9.6800" O.A.L.	
	12	Push Rod, Bulk	66-63	BRP-3180	Carton of 100; 9.6800" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Arm Assy.	66-63	R-832	Incl. arm, ball & nut	
	12	Arm Assy., Bulk	66-63	R-832B	Incl. arm, ball & nut; Carton of 64	
	12	Arm	66-63	R-832A		
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	6	Exhaust	66-63	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	6	Exhaust	66-63	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	6	Exhaust, Bulk	66-63	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Spring	66-63	VS-653	w/o Rotocaps; 1.9000" Free Height	
	12	Spring	66-63	VS-521	W/Rotocaps; Incl. damper; 2.1090" Free Height	
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	12	Valve Stem Seal	66-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	12	Valve Stem Seal	66-63	MV-1233C	O-Ring; Rubber	
	12	Valve Stem Seal Bulk	66-63	MV-1233	O-Ring; Carton of 100; Rubber	
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	6	Exh.	66-63	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth	
	6	Exh.	66-63	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth	
	6	Int.	66-63	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	24	Keeper	66-63	VK-115	1 groove; Square cut key groove	
	24	Keeper	66-63	VK-115R	1 groove; Square cut key groove; Hardened	

(continued on next page)

GMC Truck (Includes Minivans)

3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore 1966-63 **14**
L/D Truck (cont.)

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	24	Keeper, Bulk	66-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	66-63	259-203C	.015"; Carton of 100
	12	Spring Insert	66-63	259-203B	.030"; Carton of 100
	12	Spring Insert	66-63	259-203BRS	.030"; Carton of 500
	12	Spring Insert	66-63	259-203A	.060"; Carton of 100
	12	Spring Insert	66-63	259-203ARS	.060"; Carton of 500
	6	Rotacap	66-63	RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	66-63	311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
	6	Cast Piston - Individual	66-63	W311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	66-63	E-250X Std-30-40	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	66-63	WE-250X Std Only	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	66-63	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	66-63	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable
	1	Rod Set	66-63	6-2020CA60 60	Unplated & resizeable
	6	Rod Pair	66-63	2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	66-63	1203M Std Only	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	66-63	224-4147	
	1	Oil Pump	66-63	224-4157	High Volume, check pan for clearance
	1	Screen Assy.	66-65	224-1347	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	66-63	260-1005	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	66-64	381-8006	

3.3L 200 OHV V6 (Chevrolet), 3.5" Bore 1979-78 **15**
L/D Truck VIN Code "M" 1978-79

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-78	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	3 Piece Set	79-78	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
	1	Timing Chain	79-78	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	79-78	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Crank Sprocket	79-78	223-505	Steel; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	79-78	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	79-78	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79-78	CS-712	Hyd.
	12	Lifter	79-78	HT-817 Std Only	Hyd.; Carton of 128
	12	Lifter, Bulk	79-78	HT-817B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-78	KC-712	Hyd.; Incl. (1) CS-712, (12) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-78	KCT-712	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-712, (12) HT-817, (1) KT3-499S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	79-78	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	12	Push Rod	79-78	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	12	Push Rod	79-78	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	12	Push Rod	79-78	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	12	Push Rod	79-78	RP-3093	7.7940" O.A.L.
	12	Push Rod, Bulk	79-78	BRP-3093	Carton of 100; 7.7940" O.A.L.
	12	Push Rod, Bulk	79-78	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	12	Push Rod, Bulk	79-78	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	79-78	R-826	Incl. arm, ball & nut
	12	Arm Assy., Bulk	79-78	R-826B	Incl. arm, ball & nut; Carton of 64
	12	Arm	79-78	R-826A	
	12	Nut	79-78	MR-1751	Self-locking, 3/8" x 24 threads

(continued on next page)

GMC Truck (Includes Minivans)

15 3.3L 200 OHV V6 (Chevrolet), 3.5" Bore 1979-78 (cont.) L/D Truck VIN Code "M" 1978-79

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	79-78	VG-5038	Exh.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	79-78	VG-5038B	Exh.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	79-78	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	79-78	MV-1233	O-Ring; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	79-78	VK-115	1 groove; Square cut key groove
24	Keeper	79-78	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	79-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
6	Rotocap	79-78	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	79-78	475NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9272" Pin Dia., Recessed Head .142" deep x 2.880" dia. - 8.2:1 C.R.
6	Cast Piston - Individual	79-78	W475NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9272" Pin Dia., Recessed Head .142" deep x 2.880" dia. - 8.2:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	79-78	E-197K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	79-78	E-197X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	79-78	WE-197K Std-20-30-40	2-5/64, 1-3/16
6	Standard Single Cylinder Set	79-78	WE-197X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-78	5085M Std-1-10-20-30-40	
1	Main Set	79-78	6687M10 10-20-30	.020" O/S length flange brg.
1	Main Set	79-78	5085MA Std-1-10-20-30-40	A-Series aluminum bearings
1	Rod Set	79-78	6-3750P Std-10-20-30-40	
6	Rod Pair	79-78	3750P Std-1-10-20-30-40	
1	Cam Set	79-78	1463M Std-1	Babbitt material; Full round design
1	Cam Set	79-78	1791M Std Only	O.E. split type design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	79-78	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
1	Oil Pump	79-78	224-4146	5/8" inlet
1	Inter. Shaft	79-78	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	79-78	224-6146	Use w/nylon shaft guide
1	Oil Pump Shaft Guide	79-78	224-43343	Nylon
1	Screen Assy.	79-78	224-1246	5/8" inlet tube
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	79-78	381-8049	
1	Steel Block Plug Kit	79-78	381-9676	

16 3.5L 216.5 OHV L6 (Chevrolet), 3.5" Bore 1952-38 L/D Truck

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Crank Gear	52-38	221-2537	27 Teeth
1	Cam Gear	52-38	221-2514	Alum.; 54 Teeth
1	Cam Gear	52-38	221-2500	Silent type; 54 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	52-38	CS-338	
1	Prelube	52-38	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	52-40	RP-3019	10.4650" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
6	Nut	52-41	MR-1940	7/16-20 thread
6	Adj. Screw	52-41	MR-1939	7/16-20 thread
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	52-50	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	52-50	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust	49-41	V-957 Std Only	1.4665" Head Dia., .3402" Stem Dia., 4.8760" O.A.L.
6	Exhaust, Bulk	52-50	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Intake	52-41	V-958 Std Only	1.6410" Head Dia., .3412" Stem Dia., 6.2830" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	52-41	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.
6	Guide	52-41	VG-473	Int.; .3435" ID, 3.3400" O.A.L.
6	Guide	40-38	VG-509	Exh.; .3435" ID, 2.1880" O.A.L.
6	Guide	40-38	VG-473	Int.; .3435" ID, 3.3400" O.A.L.

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GMC Truck (Includes Minivans)

3.5L 216.5 OHV L6 (Chevrolet), 3.5" Bore 1952-38 16					
L/D Truck (cont.)					
BLOCK	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	52-38	VS-424	2.2500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	52-38	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	52-38	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	52-38	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	52-38	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	52-38	VK-115	1 groove; Square cut key groove
	24	Keeper	52-38	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	52-38	VK-115B	1 groove; Square cut key groove; Carton of 1000	
12	Spring Insert	52-38	259-200B	.030"; Carton of 100	
12	Spring Insert	52-38	259-200A	.060"; Carton of 100	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	12	Pin Bushing	52-44	9559X	2 req'd. per rod
	12	Pin Bushing	42-40	9559X	2 req'd. per rod
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	52-38	E-103X Std-30	2-1/8, 1-3/16
	6	Standard Single Cylinder Set	52-38	WE-103X Std Only	2-1/8, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	52-48	648M Std-10-20-30	Use w/FSM-105S shim set
	1	Shim Set	52-48	FSM-105S	
	1	Shim Set	52-44	FSM-104S	
1	Shim Set	42-40	FSM-104S		
6	Rod Pair	52-44	1415SB10 10-20	Insert type rod brg. for 18R rod forgings that have been converted from babbitted to insert type; Use w/FSM-104S shim set	
6	Rod Pair	42-40	1415SB10 10-20	Insert type rod brg. for 18R rod forgings that have been converted from babbitted to insert type; Use w/FSM-104S shim set	
1	Cam Set	52-44	1094M Std Only		
1	Cam Set	42-40	1094M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	52-38	224-4140		
3.7L 228 OHV L6 (GMC), 3.5625" Bore 1959-39 17					
L/D Truck					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Cam Gear	54-39	221-2514	Alum.; 54 Teeth
	1	Cam Gear	54-39	221-2500	Silent type; 54 Teeth
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	53-39	VS-424	2.2500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	53-39	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	53-39	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	53-39	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	53-39	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	53-39	VK-115	1 groove; Square cut key groove	
24	Keeper	53-39	VK-115R	1 groove; Square cut key groove; Hardened	
24	Keeper, Bulk	53-39	VK-115B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	51-39	9849	Full round design
	6	Pin Bushing	51-39	9849V	Split type bushing
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	59-55	677X Std Only	1-3/32, 2-1/8, 1-3/16
	1	Standard Set	53-39	677X Std Only	1-3/32, 2-1/8, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	51-39	697M Std-10-20	
	6	Rod Pair	51-39	9845CP Std-10-20-30	
	1	Cam Set	51-39	1094M Std Only	

GMC Truck (Includes Minivans)

18 3.8L 229 OHV V6 (Chevrolet), 3.736" Bore 1984-80
L/D Truck VIN Codes "K" 1980-82, "9" 1983-84

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	84-80	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Set w/Gaskets	84-80	CTS-1000	w/.405" tooth width sprocket
	1	Timing Chain	84-80	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	84-80	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	84-80	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	84-80	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	83-80	CS-712	Hyd.
	12	Lifter	84-80	HT-817 Std Only	Hyd.; Carton of 128
V A L V E T R A I N	12	Lifter, Bulk	84-80	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	83-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	83-80	KC-712	Hyd.; Incl. (1) CS-712, (12) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	83-80	KCT-712	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-712, (12) HT-817, (1) KT3-499S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	81-80	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	12	Push Rod	81-80	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	12	Push Rod	81-80	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	12	Push Rod	81-80	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
V A L V E T R A I N	12	Push Rod	81-80	RP-3093	7.7940" O.A.L.
	12	Push Rod, Bulk	81-80	BRP-3093	Carton of 100; 7.7940" O.A.L.
	12	Push Rod, Bulk	81-80	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	12	Push Rod, Bulk	81-80	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	81-80	R-826	Incl. arm, ball & nut
	12	Arm Assy., Bulk	81-80	R-826B	Incl. arm, ball & nut; Carton of 64
	12	Arm	81-80	R-826A	
	12	Nut	81-80	MR-1751	Self-locking, 3/8" x 24 threads
	12	Stud	81-80	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
V A L V E T R A I N	12	Stud	81-80	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	81-80	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust, Bulk	81-80	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	81-80	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	6	Guide	81-80	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	6	Guide	81-80	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	6	Guide	81-80	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	6	Guide, Bulk	81-80	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
V A L V E T R A I N	6	Guide, Bulk	81-80	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	6	Guide, Bulk	81-80	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	81-80	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	81-80	MV-1233	O-Ring; Carton of 100; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	81-80	VK-115	1 groove; Square cut key groove
	24	Keeper	81-80	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	81-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
	6	Rotocap	81-80	RC-157S	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	84-80	698P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	6	Cast Piston - Individual	84-80	W698P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-80	E-414K Std-30-40	2-5/64, 1-3/16
	1	Standard Set	84-80	E-414X Std-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	84-80	WE-414K Std-30-40	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	84-80	WE-414X Std-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-80	5085M Std-1-10-20-30-40	.020" O/S length flange brg.
B L O C K	1	Main Set	84-80	6687M10 10-20-30	A-Series aluminum bearings
	1	Main Set	84-80	5085MA Std-1-10-20-30-40	
	1	Rod Set	84-80	6-3750P Std-10-20-30-40	

(continued on next page)

GMC Truck (Includes Minivans)

3.8L 229 OHV V6 (Chevrolet), 3.736" Bore 1984-80 18
L/D Truck VIN Codes "K" 1980-82, "9" 1983-84 (cont.)

3.8L 229 OHV V6 (Chevrolet), 3.736" Bore 1984-80 18 L/D Truck VIN Codes "K" 1980-82, "9" 1983-84 (cont.)							
BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	6	Rod Pair	84-80	3750P	Std-1-10-20-30-40		
	1	Cam Set	84-80	1463M	Std-1		Babbitt material; Full round design
	1	Cam Set	84-80	1791M	Std Only		O.E. split type design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	84-80	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide		
	1	Oil Pump	84-80	224-4146	5/8" inlet		
	1	Inter. Shaft	84-80	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide		
	1	Inter. Shaft	84-80	224-6146	Use w/nylon shaft guide		
	1	Oil Pump Shaft Guide	84-80	224-43343	Nylon		
1	Screen Assy.	84-80	224-1246	5/8" inlet tube			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	84-80	260-1101	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	84-80	381-8049				
1	Steel Block Plug Kit	84-80	381-9676				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	84-80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.		Re-ring w/Mains	205-692M	205-192M	
	84-80	Premium valve stem seals incl.		Re-ring	205-692	205-192	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
83-80	Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master Master w/o Pistons	MKP-692A MK-692A	MKP-192A MK-192A		
83-80	Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains	505-692A	505-192A		

3.8L 230 OHV L6 (Chevrolet), 3.875" Bore 1969-63 19
L/D Truck VIN Code "S" 1968-69

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Gear Set	69-63	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
	1	Crank Gear	69-63	221-2537	27 Teeth	
	1	Cam Gear	69-63	221-2524	Alum.; 54 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	69-63	CS-633		
	12	Lifter	69-63	HT-817	Std Only	
	12	Lifter, Bulk	69-63	HT-817B	Std Only	
	1	Prelube	69-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-63	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-63	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	69-63	RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
	12	Push Rod	69-63	RP-3180	9.6800" O.A.L.	
	12	Push Rod, Bulk	69-63	BRP-3180	Carton of 100; 9.6800" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm Assy.	69-63	R-832	Incl. arm, ball & nut	
	12	Arm Assy., Bulk	69-63	R-832B	Incl. arm, ball & nut; Carton of 64	
	12	Arm	69-63	R-832A		
	12	Pivot Ball	69-63	MR-1780		
	12	Nut	69-63	MR-1751	Self-locking, 3/8" x 24 threads	
	12	Stud	69-63	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	12	Stud	69-63	MR-1949	3/8" x 24 x 2.495"	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	6	Exhaust	69-63	V-1888X	Std-15	
	6	Exhaust	69-63	V-1199	Std-3-5-15-30	
	6	Exhaust, Bulk	69-63	V-1199B	Std-15	
	6	Intake	69-63	V-1200	Std-3-15-30	
	6	Intake, Bulk	69-63	V-1200B	Std Only	

(continued on next page)

GMC Truck (Includes Minivans)

19 3.8L 230 OHV L6 (Chevrolet), 3.875" Bore 1969-63
 (cont.) L/D Truck VIN Code "S" 1968-69

VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN		
	6	Guide	69-63	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.			
	6	Guide, Bulk	69-63	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.			
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION			
	12	Spring	69-65	VS-653	w/o Rotocaps; 1.9000" Free Height			
	12	Spring	69-65	VS-521	W/Rotocaps; Incl. damper; 2.1090" Free Height			
	12	Spring	64-63	VS-521	Incl. damper; 2.1090" Free Height			
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION			
	12	Valve Stem Seal	69-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE			
	12	Valve Stem Seal	69-63	MV-1233C	O-Ring; Rubber			
12	Valve Stem Seal Bulk	69-63	MV-1233	O-Ring; Carton of 100; Rubber				
12	Valve Stem Seal Bulk	69-63	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE				
T	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	T		
	6	Exh.	69-63	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth			
	6	Exh.	69-63	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth			
	6	Int.	69-63	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth			
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
	24	Keeper	69-63	VK-115	1 groove; Square cut key groove			
	24	Keeper	69-63	VK-115R	1 groove; Square cut key groove; Hardened			
	24	Keeper, Bulk	69-63	VK-115B	1 groove; Square cut key groove; Carton of 1000			
	12	Spring Insert	69-63	259-203C	.015"; Carton of 100			
	12	Spring Insert	69-63	259-203B	.030"; Carton of 100			
12	Spring Insert	69-63	259-203BRS	.030"; Carton of 500				
12	Spring Insert	69-63	259-203A	.060"; Carton of 100				
12	Spring Insert	69-63	259-203ARS	.060"; Carton of 500				
6	Rotocap	69-63	RC-157S	Use w/VS-521				
B BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B BLOCK		
	6	Cast Piston	69-63	1107P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 1107NP			
	6	Cast Piston	69-63	1107NP * Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs			
	6	Pin Bushing	69-63	9849	Full round design			
	6	Pin Bushing	69-63	9849V	Split type bushing			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION			
	1	Premium Set	69-63	E-234K Std-20-30-40-60	2-5/64, 1-3/16			
	1	Standard Set	69-63	E-234X Std-20-30-40-60	2-5/64, 1-3/16			
	6	Premium Single Cylinder Set	69-63	WE-234K Std-20-30-40-60	2-5/64, 1-3/16			
	6	Standard Single Cylinder Set	69-63	WE-234X Std-20-30-40-60	2-5/64, 1-3/16			
K ITS	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	K ITS		
	1	Main Set	69-63	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings			
	1	Rod Set	69-63	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable			
	1	Rod Set	69-63	6-2020CA60 60	Unplated & resizeable			
	6	Rod Pair	69-63	2020CP Std-1-2-10-20-30-40-50				
	1	Cam Set	69-64	1203M Std Only				
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
	1	Oil Pump	69-63	224-4147				
	1	Oil Pump	69-63	224-4157	High Volume, check pan for clearance			
	1	Screen Assy.	69-65	224-1347				
K ITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	K ITS		
	1	Kit Gasket Set	69-63	260-1005				
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
	1	Brass Block Plug Kit	69-63	381-8006				
	RE-RING KIT						PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.		KIT NO.	
	69-63			Re-ring	205-614		205-114	
	69-63	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-614M		205-114M	
	OVERHAUL KIT						PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.		KIT NO.	
69-64			Master w/o Rods & Mains	505-614D	505-114D			
69-64	Incl. A-Series aluminum bearings		Master	MKP-614D	MKP-114D			
			Master w/o Pistons	MK-614D	MK-114D			

GMC Truck (Includes Minivans)

3.8L 231 OHV V6 (Buick), 3.8" Bore 1984-78 20					
L/D Truck VIN Codes "A" 1978-84, "L" 1992-95, "2" 1979					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-78	KT3-359SA1	Incl. (1) 222-359, (1) 223-323, (1) 223-610
	1	Timing Chain	79-78	222-359	54 Links
	1	Crank Sprocket	79-78	223-323	20 Teeth
	1	Cam Sprocket	79-78	223-610	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	80-79	CS-702	
	12	Lifter	80-78	HT-969 Std Only	Hyd.; w/.440" wide oil groove
	12	Lifter, Bulk	80-78	HT-969B Std Only	Hyd.; Carton of 128
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	80-79	KC-702	Hyd.; Incl. (1) CS-702, (12) HT-969, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79	KCT-702	Hyd.; Incl. (1) CS-702, (12) HT-969, (1) KT3-359SA1, (1) 55-403B
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	80-78	RP-3213R	Chrome-Moly; 8.6900" O.A.L.
	12	Push Rod	80-78	RP-3164	8.6930" O.A.L.
	12	Push Rod	80-78	RP-316435	8.7280" O.A.L.
	12	Push Rod	80-78	RP-316460	8.7530" O.A.L.
	12	Push Rod, Bulk	80-78	BRP-3164	Carton of 100; 8.6930" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm Assy.	80-78	R-870	L.H.; Incl. arm & retainer; Stamped steel
	6	Arm	80-78	R-870W	L.H.; Stamped steel
	12	Retainer	80-78	MR-1829	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	80-79	V-4168 Std-15	Chrome plated stem; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.
6	Exhaust, Bulk	80-79	V-4168B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3408" Stem Dia., 4.7180" O.A.L.	
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	83-78	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.
	6	Guide	83-78	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
	6	Guide	83-78	VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
	6	Guide	83-78	VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	6	Guide, Bulk	83-78	VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	6	Guide, Bulk	83-78	VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	83-78	VK-115	1 groove; Square cut key groove
	24	Keeper	83-78	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	83-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
	B L O C K	QTY	PISTON	YEARS	PART NO.
6		Cast Piston	84-78	450NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.
6		Cast Piston - Individual	84-78	W450NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.
1		Cast Piston Set w/Prem. Rings	84-78	6K450NP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia. - 8.0:1 C.R.
QTY		RINGS	YEARS	PART NO.	DESCRIPTION
1		Premium Set	84-78	E-369K Std-20-30-40-60	2-5/64, 1-3/16
1		Standard Set	84-78	E-369X Std-20-30-40-60	2-5/64, 1-3/16
6		Premium Single Cylinder Set	84-78	WE-369K Std-20-30-40-60	2-5/64, 1-3/16
6		Standard Single Cylinder Set	84-78	WE-369X Std-20-30-40-60	2-5/64, 1-3/16
QTY		ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1		Main Set	84-78	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
1		Main Set	84-78	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
1	Rod Set	84-78	6-3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	
1	Rod Set	84-78	6-3755A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
1	Rod Set	84-78	6-3755AP10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore	
6	Rod Pair	84-78	3755A Std-1-10-20-30-40	A-Series aluminum bearings; .659" O.A.L.	
1	Cam Set	84	1462M Std Only	VIN Code "A"; w/14 bolt oil pan; Babbitt material	
1	Cam Set	83-78	1462M Std Only	Babbitt material	
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	84-78	224-51382	
	1	Pump Repair Kit	84-78	224-518	Gear type
	1	Pump Repair Kit	84-78	224-518V	High Volume; Installation may require timing cover removal
	1	Pump Repair Kit	84-78	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions

(continued on next page)

GMC Truck (Includes Minivans)

20 3.8L 231 OHV V6 (Buick), 3.8" Bore 1984-78

(cont.) L/D Truck VIN Codes "A" 1978-84, "L" 1992-95, "2" 1979

BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Screen Assy.	84-81	224-128	For 5-1/4" deep oil pan	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	84	260-1149	w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	84	260-1138	w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	83	260-1032	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	83	260-1149	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	82-78	260-1032	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	84	260-4014	w/Alum. manifold	
	1	Valley Pan Gasket Set	84	260-4006	w/Cast iron manifold	
	1	Valley Pan Gasket Set	83-79	260-4006		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	84-78	381-8035		
	1	Steel Block Plug Kit	84-78	381-4023		

K I T S	RE-RING KIT		YEARS	DESCRIPTION		PREMIUM KIT NO. 205-724 205-724M	ECONOMY KIT NO. 205-224 205-224M
	84	w/14 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains				
	84	w/20 bolt oil pan; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-725 205-725M	205-225 205-225M	
	83	1st design; w/.605" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6083 205-6083M	205-1083 205-1083M	
	83	2nd design; w/.552" valve guide OD; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-724 205-724M	205-224 205-224M	
	82-78	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6083 205-6083M	205-1083 205-1083M	
	OVERHAUL KIT		YEARS	DESCRIPTION		PREMIUM KIT NO. -----	ECONOMY KIT NO. MK-1083A
	79	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons				
	79	VIN Codes "A" & "2"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons		MK-6083A	-----	
	79	VIN Codes "A" & "2"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains		505-650E	505-150E	
K I T S			YEARS	DESCRIPTION		PREMIUM KIT NO. -----	ECONOMY KIT NO. MK-1083A
	79	Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons				
	79	VIN Codes "A" & "2"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; w/.659" O.A.L. brgs.; Premium valve stem seals incl.; Gear type oil pump incl.	Master w/o Pistons		MK-6083A	-----	
	79	VIN Codes "A" & "2"; Int. manifold gskt. not incl.; Exh. pipe packing not incl.; Premium valve stem seals incl.; Gear type oil pump kit incl.	Master w/o Rods & Mains		505-650E	505-150E	

21 3.8L 235 OHV L6 (Chevrolet), 3.5625" Bore 1963-50

L/D Truck

QTY	TIMING		YEARS	PART NO.	DESCRIPTION	
	1	Crank Gear				
	1	Cam Gear				
	1	Cam Gear				
QTY	CAMSHAFT/LIFTER		YEARS	PART NO.	DESCRIPTION	
	1	Camshaft				
	1	Camshaft				
	1	Camshaft				
	1	Camshaft				
	1	Prelube				

4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

GMC Truck (Includes Minivans)

3.8L 235 OHV L6 (Chevrolet), 3.5625" Bore 1963-50 **21**
L/D Truck (cont.)

QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	62-55	RP-3020	11.4740" O.A.L.
12	Push Rod	54-50	RP-3018	10.8190" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
1	Rocker Shaft	58-50	RS-602	
6	Nut	62-50	MR-1940	7/16-20 thread
6	Adj. Screw	62-50	MR-1939	7/16-20 thread
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	62-50	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	62-50	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	62-50	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Intake	62-53	V-1076 Std Only	1.8750" Head Dia., .3415" Stem Dia., 6.3910" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	62-50	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.
6	Guide	62-50	VG-473	Int.; .3435" ID, 3.3400" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	62-59	VS-534	2.1600" Free Height
12	Spring	58	VS-424	2.2500" Free Height
12	Spring	57-52	VS-534	2.1600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	62-50	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	62-50	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	62-50	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	62-50	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	62-50	VK-115	1 groove; Square cut key groove
24	Keeper	62-50	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	62-50	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	62-50	259-200B	.030"; Carton of 100
12	Spring Insert	62-50	259-200A	.060"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
12	Pin Bushing	53-50	9559X	2 req'd. per rod
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	62-54	E-237KC Std-20-30-40-60	2-3/32, 1-3/16
1	Standard Set	62-54	E-237X Std-20-30-40-60-80	2-3/32, 1-3/16
1	Standard Set	53-50	E-135X Std-30	1-3/32, 1-1/8, 1-3/16
6	Premium Single Cylinder Set	62-54	WE-237KC Std-20-30-40-60	2-3/32, 1-3/16
6	Standard Single Cylinder Set	62-54	WE-237X Std-30-40-60-80	2-3/32, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	63-56	960M Std-10-20-30-40-50-60	Use w/FSM-124S shim set
1	Main Set	55-54	853M Std-10-20-30-40	Use w/FSM-124S shim set
1	Main Set	53	853M Std-10-20-30-40	w/Powerglide trans.; Use w/FSM-124S shim set
1	Main Set	52-50	648M Std-10-20-30	w/M/T; Use w/FSM-105S shim set
1	Shim Set	63-53	FSM-124S	
1	Shim Set	53-50	FSM-104S	
1	Shim Set	52-50	FSM-105S	
1	Rod Set	63-54	6-1950CP Std-10-20-30-40-50	6-1950CA 60 avail. as unplated & resizeable
1	Rod Set	53	6-1950CP Std-10-20-30-40-50	6-1950CA 60 avail. as unplated & resizeable
1	Rod Set	63-54	6-1950CA60 60	Unplated & resizeable
1	Rod Set	53	6-1950CA60 60	Unplated & resizeable
6	Rod Pair	63-54	1950CP Std-10-20-30-40-50	
6	Rod Pair	53	1950CP Std-10-20-30-40-50	
6	Rod Pair	53-50	1415SB10 10-20	w/M/T; Insert type rod brg. for 18R rod forgings that have been converted from babbbitted to insert type; Use w/FSM-104S shim set
1	Cam Set	63-54	1170M Std Only	w/Large dia. brgs.
1	Cam Set	54-50	1094M Std Only	w/small dia. brgs.
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	62-55	224-4141	
1	Oil Pump	54	224-4142	
1	Oil Pump	53	224-4140	w/o Powerglide trans.
1	Oil Pump	53	224-4142	W/Powerglide trans.
1	Oil Pump	52-50	224-4140	w/o Powerglide trans.
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	63-53	260-1569	

GMC Truck (Includes Minivans)

22 3.9L 235.3 (3856cc) OHV Diesel L4 (8 Valve), 102mm Bore (Isuzu Eng.) 1988-87 L/D Truck Eng. Code "4BD1-N" 1987-88					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	88-87	7194M	Std-.25-.50MM	
1	Thrust Washer Set	88-87	3952BF	Std Only	
2	Rod Set	88-87	2-3950CP	Std-.25-.50-.75-1.00MM	
23 3.9L 235.3 (3856cc) OHV Turbo-Diesel L4 (8 Valve), 102mm Bore (Isuzu Eng.) 1990-87 L/D Truck Eng. Codes "4BD1-T" 1987-94, "4BD2-TC" 1995-98					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-87	7194M	Std-.25-.50MM	
1	Thrust Washer Set	90-87	3952BF	Std Only	
2	Rod Set	90-87	2-3950CP	Std-.25-.50-.75-1.00MM	
24 3.9L 239 OHV Turbo-Diesel L4, 4.0197" Bore (Cummins Eng.) 1990-89 L/D Truck VIN Code "L" 1989-91, "B" Series, 4BT3.9 (4T-390)(Turbo), 4BTA3.9 (4TA-390)(Turbo w/Aftercooler)					
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-4384	Std Only Chrome plated stem; 1.6540" Head Dia., .3138" Stem Dia., 5.0810" O.A.L.
	6	Exhaust	90-89	V-4345	Std-15 Use for Int.; Chrome plated stem; 1.5000" Head Dia., .3410" Stem Dia., 4.9230" O.A.L.
	6	Exhaust, Bulk	90-89	V-4345B15	15 Use for Int.; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3560" Stem Dia., 4.9230" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-89	VG-1331	Exh.; .3160" ID, 2.0520" O.A.L.
	12	Guide	90-89	VG-1325	Exh. & Int.; 7/16" OD; .3162" ID, 2.5000" O.A.L.
	6	Guide	90-89	VG-1330	Int.; .3160" ID, 2.3970" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-89	ST-2043	Exh. & Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-89	245-1750-7	Std Only Universal size for heads w/o O.E. insert; 1.7500" OD, 1.3750" ID, .2188" Depth
	6	Exh.	90-89	245-1722-E1	Std Only 1.7220" OD, 1.3570" ID, .2650" Depth
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-89	7251M	Std-.25-.50MM	
1	Rod Set	90-89	4-4205CP	Std-.25MM	
4	Rod Pair	90-89	4205CP	Std-.25-.50-.75-1.00MM	
25 4.1L 248 OHV L6 (GMC), 3.7188" Bore 1955-54 L/D Truck					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Cam Gear	55-54	221-2514	Alum.; 54 Teeth	
1	Cam Gear	55-54	221-2500	Silent type; 54 Teeth	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Pin Bushing	55-54	9849V	Split type bushing	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	55-54	697M	Std-10-20	
6	Rod Pair	55-54	1905CP	Std-10-20	
1	Cam Set	55-54	1094M	Std Only	
26 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66 L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, "S" 1970-71					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Gear Set	84	221-2528S	H/D; Incl. (1) 221-2526, (1) 221-2527	
1	Gear Set	83-77	221-2540S	L/D; Incl. (1) 221-2526, (1) 221-2541	
1	Gear Set	83-66	221-2528S	H/D; Incl. (1) 221-2526, (1) 221-2527	
1	Gear Set	76	221-2540S	L/D; Incl. (1) 221-2526, (1) 221-2541	
1	Gear Set	76-75	221-2525S	w/o Integral cyl. head; Incl. (1) 221-2524, (1) 221-2537	
1	Gear Set	74-66	221-2525S	Incl. (1) 221-2524, (1) 221-2537	
1	Crank Gear	84	221-2527	H/D; 27 Teeth	
1	Crank Gear	83-81	221-2527	H/D; 27 Teeth	
1	Crank Gear	83-81	221-2541	L/D; 27 Teeth	
1	Crank Gear	80-79	221-2541	L/D; 27 Teeth	
1	Crank Gear	78-77	221-2527	H/D; 27 Teeth	
1	Crank Gear	78-77	221-2541	L/D; 27 Teeth	

(continued on next page)

GMC Truck (Includes Minivans)

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66 26

**L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, (cont.)
"S" 1970-71**

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Crank Gear	76	221-2527	H/D; 27 Teeth
	1	Crank Gear	76	221-2541	L/D; 27 Teeth
	1	Crank Gear	76	221-2537	10 Series, 20 Series & 30 Series; w/integral int. manifold; 27 Teeth
	1	Crank Gear	75	221-2527	H/D; 27 Teeth
	1	Crank Gear	75	221-2537	10 Series, 20 Series & 30 Series; 27 Teeth
	1	Crank Gear	74-66	221-2527	H/D; 27 Teeth
	1	Crank Gear	74-66	221-2537	10 Series, 20 Series & 30 Series; 27 Teeth
	1	Cam Gear	84-79	221-2526	Alum.; 54 Teeth
	1	Cam Gear	78-77	221-2526	Alum.; 54 Teeth
	1	Cam Gear	76-75	221-2526	Alum.; 54 Teeth
	1	Cam Gear	76-75	221-2524	10 Series, 20 Series & 30 Series; Alum.; 54 Teeth
	1	Cam Gear	74-73	221-2526	Alum.; 54 Teeth
	1	Cam Gear	74-73	221-2524	10 Series, 20 Series & 30 Series; L/D; Alum.; 54 Teeth
	1	Cam Gear	72-66	221-2526	Alum.; 54 Teeth
	1	Cam Gear	72-66	221-2524	10 Series, 20 Series & 30 Series; w/"14" stamped on gear face; Alum.; 54 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	84-83	CS-633	
	1	Camshaft	82-81	CS-677	Calif.
	1	Camshaft	82-81	CS-633	Exc. Calif.
	1	Camshaft	80-79	CS-677	
	1	Camshaft	78-75	CS-677	w/o H/D chassis
	1	Camshaft	78-75	CS-633	H/D chassis
	1	Camshaft	74-66	CS-633	
	12	Lifter	84-66	HT-817 Std Only	Hyd.
	12	Lifter, Bulk	84-66	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	84-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	84-83	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	82-81	KC-677	Calif.; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	82-81	KC-633	Exc. Calif.; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-79	KC-677	Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	78-75	KC-677	w/o H/D chassis; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	78-75	KC-633	w/H/D chassis; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	74-66	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	83	KCT-633E	L/D timing set incl.; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-81	KCT-677C	Calif.; L/D timing set incl.; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-81	KCT-633E	Exc. Calif.; L/D timing set incl.; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-79	KCT-677C	L/D timing set incl.; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	78-77	KCT-677C	w/o H/D chassis; L/D timing set incl.; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	78-77	KCT-633E	w/H/D chassis; L/D timing set incl.; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76	KCT-677C	w/o H/D chassis; L/D timing set incl.; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76	KCT-633E	w/H/D chassis; L/D timing set incl.; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2540S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76-75	KCT-633A	w/o Integral cyl. head; w/H/D Chassis; Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	76-75	KCT-677	w/o Integral int. manifold; w/o H/D chassis; Hyd.; Incl. (1) CS-677, (12) HT-817, (1) 221-2525S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-66	KCT-633A	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 221-2525S, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	84-66	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	12	Push Rod	84-66	RP-3180	9.6800" O.A.L.
	12	Push Rod, Bulk	84-66	BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	84-79	R-832	Incl. arm, ball & nut
	12	Arm Assy.	78-71	R-832	Exc. Sprint; Incl. arm, ball & nut
	12	Arm Assy.	78-71	R-826	Sprint; Incl. arm, ball & nut
	12	Arm Assy.	70-66	R-832	Incl. arm, ball & nut
	12	Arm Assy., Bulk	84-79	R-832B	Incl. arm, ball & nut; Carton of 64

(continued on next page)

GMC Truck (Includes Minivans)

26 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66

(cont.) L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, "S" 1970-71

V A L V E T R A I N	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy., Bulk	78-71	R-832B	Exc. Sprint; Incl. arm, ball & nut; Carton of 64
	12	Arm Assy., Bulk	78-71	R-826B	Sprint; Incl. arm, ball & nut; Carton of 64
	12	Arm Assy., Bulk	70-66	R-832B	Incl. arm, ball & nut; Carton of 64
	12	Arm	84-79	R-832A	
	12	Arm	78-71	R-832A	Exc. Sprint
	12	Arm	78-71	R-826A	Sprint
	12	Arm	70-66	R-832A	
	12	Pivot Ball	84-66	MR-1780	
	12	Nut	84-66	MR-1751	Self-locking, 3/8" x 24 threads
V A L V E T R A I N	12	Stud	84-66	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	12	Stud	84-66	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	84-75	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust	74-73	V-1904 Std-3-15-30	Exc. LPG Engs.; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust	74-73	V-1888X Std-15	LPG Engs.; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	6	Exhaust	72-66	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust, Bulk	84-75	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust, Bulk	74-73	V-1904B Std-15	Exc. LPG Engs.; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust, Bulk	72-66	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
V A L V E T R A I N	6	Intake	84-75	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake	74-73	V-1927 Std-15	Exc. LPG Engs.; Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake	74-73	V-1928 Std Only	LPG Engs.; Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
	6	Intake	72-66	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk	84-75	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk	74-73	V-1927B Std-15	Exc. LPG Engs.; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk	72-66	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	84-66	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	6	Guide	84-66	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
V A L V E T R A I N	6	Guide	84-66	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	6	Guide	84-66	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	6	Guide, Bulk	84-66	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	6	Guide, Bulk	84-66	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	6	Guide, Bulk	84-66	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	84-80	VS-521	Incl. damper; 2.1090" Free Height
	12	Spring	79-78	VS-653	w/o Integral cyl. head; 1.9000" Free Height
	12	Spring	79-78	VS-521	W/Integral cyl. head; Incl. damper; 2.1090" Free Height
	12	Spring	77-75	VS-653	Exc. 10 Series, 20 Series, 30 Series, Blazer, Jimmy; Forward control w/uni-body; 2WD; 1.9000" Free Height
V A L V E T R A I N	12	Spring	77-75	VS-521	10 Series, 20 Series, 30 Series, Blazer & Jimmy; Forward control w/uni-body; 2WD; Incl. damper; 2.1090" Free Height
	12	Spring	74-66	VS-653	1.9000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	84-75	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	12	Valve Stem Seal	84-75	ST-2092	Positive type; Rubber
	12	Valve Stem Seal	74-66	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	84-66	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	84-75	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	84-66	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	74-66	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

GMC Truck (Includes Minivans)

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66 26

**L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, (cont.)
"S" 1970-71**

BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Exh.	84-66	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth	
	6	Exh.	84-66	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth	
	6	Int.	84-66	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	24	Keeper	84-66	VK-115	1 groove; Square cut key groove	
	24	Keeper	84-66	VK-115R	1 groove; Square cut key groove; Hardened	
	24	Keeper, Bulk	84-66	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	12	Spring Insert	84-66	259-203C	.015"; Carton of 100	
	12	Spring Insert	84-66	259-203B	.030"; Carton of 100	
	12	Spring Insert	84-66	259-203BRS	.030"; Carton of 500	
	12	Spring Insert	84-66	259-203A	.060"; Carton of 100	
	12	Spring Insert	84-66	259-203ARS	.060"; Carton of 500	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Cast Piston	84-66	403P Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep	
	6	Cast Piston	84-66	403CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston	
	6	Cast Piston - Individual	84-66	W403P Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep	
	6	Cast Piston - Individual	84-66	W403CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston	
	6	Pin	84-66	P-2208 Std-3-5-0015		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	84-66	E-234K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	84-66	E-234X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	84-66	WE-234K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	84-66	WE-234X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	84-66	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	84-66	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set	84-66	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable	
	1	Rod Set	84-66	6-2020CA60 60	Unplated & resizeable	
	6	Rod Pair	84-66	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	84-71	1557M Std Only		
	1	Cam Set	70-66	1203M Std Only		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Oil Pump	84-66	224-4147		
	1	Oil Pump	84-66	224-4157	High Volume, check pan for clearance	
	1	Screen Assy.	83-66	224-1347		
	1	Tool	84-66	MT-J21882	Pump screen installation tool for 5/8" tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	84-80	260-1129		
	1	Kit Gasket Set	79	260-1037		
	1	Kit Gasket Set	78-75	260-1019	w/Integral cyl. head	
	1	Kit Gasket Set	78-66	260-1005	w/o Integral cyl. head	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	84-66	381-8006		
KITS	RE-RING KIT					KITS
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	84-80			Re-ring	205-739	
	84-80	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-739M	
	79			Re-ring	205-616	
	79	Incl. A-Series aluminum bearings		Re-ring w/Mains	205-616M	
	78-75	w/Integral cyl. head		Re-ring	205-615	
	78-75	w/Integral cyl. head; Incl. A-Series aluminum bearings		Re-ring w/Mains	205-615M	
	78-66	w/o Integral cyl. head		Re-ring	205-614	
	78-66	w/o Integral cyl. head; Incl. A-Series aluminum bearings		Re-ring w/Mains	205-614M	

(continued on next page)

GMC Truck (Includes Minivans)

26 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66
 (cont.) L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, "S" 1970-71

K I T S	OVERHAUL KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	84	H/D timing set incl.	Master w/o Rods & Mains	505-739A	505-239A
	84	H/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739A MK-739A	MKP-239A MK-239A
	83	H/D timing set incl.	Master w/o Rods & Mains	505-739A	505-239A
	83	H/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739A MK-739A	MKP-239A MK-239A
	83	L/D timing set incl.	Master w/o Rods & Mains	505-739D	505-239D
	83	L/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739D MK-739D	MKP-239D MK-239D
	82-81	Exc. Calif.; H/D timing set incl.	Master w/o Rods & Mains	505-739A	505-239A
	82-81	Exc. Calif.; H/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739A MK-739A	MKP-239A MK-239A
	82-81	Calif.; L/D timing set incl.	Master w/o Rods & Mains	505-739C	505-239C
	82-81	Calif.; L/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739C MK-739C	MKP-239C MK-239C
	82-81	Exc. Calif.; L/D timing set incl.	Master w/o Rods & Mains	505-739D	505-239D
	82-81	Exc. Calif.; L/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739D MK-739D	MKP-239D MK-239D
	80	L/D timing set incl.	Master w/o Rods & Mains	505-739C	505-239C
	80	L/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-739C MK-739C	MKP-239C MK-239C
	79	L/D timing set incl.	Master w/o Rods & Mains	505-616A	505-116A
	79	L/D timing set incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-616A MK-616A	MKP-116A MK-116A
	78	w/o H/D Chassis; L/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614G	505-114G
	78	w/o H/D Chassis; L/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614G MK-614G	MKP-114G MK-114G
	78	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head	Master w/o Rods & Mains	505-615A	505-115A
	78	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-615A MK-615A	MKP-115A MK-115A
	78-77	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614C	505-114C
	78-77	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614C MK-614C	MKP-114C MK-114C
	78-77	w/H/D Chassis; L/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614F	505-114F
	78-77	w/H/D Chassis; L/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614F MK-614F	MKP-114F MK-114F
	78-77	w/H/D Chassis; L/D timing set incl.; w/Integral cyl. head	Master w/o Rods & Mains	505-615E	505-115E
	78-77	w/H/D Chassis; L/D timing set incl.; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-615E MK-615E	MKP-115E MK-115E
	77	w/o H/D Chassis; L/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614G	505-114G
	77	w/o H/D Chassis; L/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614G MK-614G	MKP-114G MK-114G
	77	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head	Master w/o Rods & Mains	505-615A	505-115A
	77	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-615A MK-615A	MKP-115A MK-115A
	76	w/H/D Chassis; w/o Integral cyl. head	Master w/o Rods & Mains	505-614A	505-114A
	76	w/H/D Chassis; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614A MK-614A	MKP-114A MK-114A
	76	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614C	505-114C

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GMC Truck (Includes Minivans)

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore 1984-66 26
L/D Truck VIN Codes "C" 1971-72, "D" 1972-84, "L" 1971-72, "N" 1970-71, "P" 1968-69, "Q" 1972-75, (cont.)
"S" 1970-71

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	76	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614C MK-614C	
	76	w/o H/D Chassis; w/o Integral cyl. head	Master w/o Rods & Mains	505-614E	
	76	w/o H/D Chassis; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614E MK-614E	
	76	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head	Master w/o Rods & Mains	505-615A	
	76	w/o H/D Chassis; L/D timing set incl.; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-615A MK-615A	
	76	w/H/D Chassis; L/D timing set incl.; w/Integral cyl. head	Master w/o Rods & Mains	505-615E	
	76	w/H/D Chassis; L/D timing set incl.; w/Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-615E MK-615E	
	75	w/H/D Chassis; w/o Integral cyl. head	Master w/o Rods & Mains	505-614A	
	75	w/H/D Chassis; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614A MK-614A	
	75	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614C	
	75	w/H/D Chassis; H/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614C MK-614C	
	75	w/o H/D Chassis; w/o Integral cyl. head	Master w/o Rods & Mains	505-614E	
	75	w/o H/D Chassis; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614E MK-614E	
	74-71	w/o Integral cyl. head	Master w/o Rods & Mains	505-614A	
	74-71	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614A MK-614A	
	74-71	H/D timing set incl.; w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-614C MK-614C	
	74-71	Optional-H/D timing set incl.; w/o Integral cyl. head	Master w/o Rods & Mains	505-614C	
	70-66	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master w/o Pistons	MK-614D	
	70-66	w/o Integral cyl. head	Master w/o Rods & Mains	505-614H	
	70-66	w/o Integral cyl. head; Incl. A-Series aluminum bearings	Master	MKP-614H	

4.3L 261 OHV L6 (Chevrolet), 3.75" Bore 1962-61 27
L/D Truck

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Crank Gear	62-61	221-2537	27 Teeth	
	1	Cam Gear	62-61	221-2514	Alum.; 54 Teeth	
	1	Cam Gear	62-61	221-2500	Silent type; 54 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	62-61	CS-293		
	1	Prelube	62-61	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	62-61	RP-3020	11.4740" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	1	Rocker Shaft	62-61	RS-602		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	62-61	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	6	Exhaust	62-61	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	6	Exhaust, Bulk	62-61	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
	6	Intake	62-61	V-1076 Std Only	1.8750" Head Dia., .3415" Stem Dia., 6.3910" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	62-61	VG-350	Exh.; .3435" ID, 2.4400" O.A.L.	
	6	Guide	62-61	VG-473	Int.; .3435" ID, 3.3400" O.A.L.	

(continued on next page)

GMC Truck (Includes Minivans)

27 4.3L 261 OHV L6 (Chevrolet), 3.75" Bore 1962-61

(cont.) L/D Truck

VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	62-61	VS-424	2.2500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	62-61	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal	62-61	MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk	62-61	MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk	62-61	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	62-61	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	6	Exh.	62-61	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	62-61	VK-115	1 groove; Square cut key groove
	24	Keeper	62-61	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	62-61	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	62-61	259-100B	.030"; Carton of 100
	12	Spring Insert	62-61	259-100A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	62-61	92P Std-30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 2.030" CD, .9272" Pin Dia., Flat Head - 7.8:1 C.R.
	6	Cast Piston - Individual	62-61	W92P Std-30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 2.030" CD, .9272" Pin Dia., Flat Head - 7.8:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Standard Set	62-61	5412X Std-30	2-3/32, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	62-61	960M Std-10-20-30-40-50-60	Use w/FSM-124S shim set
	1	Rod Set	62-61	6-1950CP Std-10-20-30-40-50	6-1950CA 60 avail. as unplated & resizeable
	1	Rod Set	62-61	6-1950CA60 60	Unplated & resizeable
	6	Rod Pair	62-61	1950CP Std-10-20-30-40-50	
	1	Cam Set	62-61	1170M Std Only	w/Large dia. brgs.
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	62-61	224-4141	

28 4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85

L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & 2002-2008 (Vortec), "Z" 1985-96

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	90-87	KT3-499SA6	VIN Codes "B" & "Z"; w/o Balance shaft; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-505, (1) 223-732T
	1	3 Piece Set	86-85	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
	1	Timing Chain	90-85	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	90-87	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Crank Sprocket	90-85	223-505	Steel; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	90-87	223-732T	Hardened; .405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	86-85	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	86-85	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	1	Camshaft	90-87	CS-783	VIN Code "Z"
	1	Camshaft	86-85	CS-756	
	12	Lifter	90-85	HT-2148 Std Only	Hyd. rlr.
	12	Lifter	86-85	HT-817 Std Only	Hyd.
	12	Lifter, Bulk	90-85	HT-2148B Std Only	Hyd. rlr.; Carton of 128
	12	Lifter, Bulk	86-85	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	90-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-87	KC-783	VIN Code "Z"; Hyd. rlr.; Incl. (1) CS-783, (12) HT-2148, (1) 55-403B
	1	Cam/Lifter Kit	86-85	KC-756	Hyd.; Incl. (1) CS-756, (12) HT-817, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-87	RP-3262	7.1920" O.A.L.
	12	Push Rod	86-85	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	12	Push Rod	86-85	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	12	Push Rod	86-85	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	12	Push Rod	86-85	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	12	Push Rod	86-85	RP-3093	7.7940" O.A.L.
	12	Push Rod, Bulk	90-87	BRP-3262	Carton of 100; 7.1920" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 28

**L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & (cont.)
2002-2008 (Vortec), "Z" 1985-96**

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Push Rod, Bulk	86-85	BRP-3093	Carton of 100; 7.7940" O.A.L.
	12	Push Rod, Bulk	86-85	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	12	Push Rod, Bulk	86-85	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm Assy.	90-87	R-973	Adj.; w/standard threads; Incl. arm, ball & nut
	12	Arm Assy.	86-85	R-826	Incl. arm, ball & nut
	12	Arm Assy., Bulk	90-87	R-973B	Adj.; w/standard threads; Incl. arm, ball & nut; Carton of 64
	12	Arm Assy., Bulk	86-85	R-826B	Incl. arm, ball & nut; Carton of 64
	12	Arm	90-87	R-973A	Adj.; w/standard threads
VALVE TRAIN	12	Arm	86-85	R-826A	
	12	Pivot Ball	90-85	MR-1783	Adj.; w/standard threads
	12	Pivot Ball	90-85	MR-1822	H/D 4 groove ball
	12	Nut	90-85	MR-1751	Adj.; w/std. threads; Self-locking, 3/8" x 24 threads
	12	Stud	90-89	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	12	Stud	90-89	MR-1949	3/8" x 24 x 2.495"
	12	Stud	88-85	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	12	Stud	88-85	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-85	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
VALVE TRAIN	6	Exhaust	90-85	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	6	Exhaust, Bulk	90-85	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	6	Exhaust, Bulk	90-85	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	6	Intake	90-85	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
	6	Intake, Bulk	90-85	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-85	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	6	Guide	90-85	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	6	Guide	90-85	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	6	Guide	90-85	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	6	Guide, Bulk	90-85	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
VALVE TRAIN	6	Guide, Bulk	90-85	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	6	Guide, Bulk	90-85	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-85	VS-677	Incl. damper; 2.0300" Free Height
	12	Spring, Bulk	90-85	VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-85	MV-1888C	Positive type; Viton®
	12	Valve Stem Seal	90-85	MV-1921	Umbrella type; Nylon
	12	Valve Stem Seal	90-85	MV-1233C	Exh. & Int.; O-Ring; Rubber
	12	Valve Stem Seal Bulk	90-85	MV-1888	Positive type; Carton of 50; Viton®
	12	Valve Stem Seal Bulk	90-85	MV-1921B	Umbrella type; Carton of 100; Nylon
VALVE TRAIN	12	Valve Stem Seal Bulk	90-85	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-85	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	6	Exh.	90-85	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	6	Int.	90-85	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-85	VK-115	1 groove; Square cut key groove
	24	Keeper	90-85	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	90-85	VK-115B	1 groove; Square cut key groove; Carton of 1000
	6	Rotocap	90-85	RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90	H695P Std-20-30-40-60	Exc. NA4 Emis.; Under 8500 GVW; Use w/E-229K or E-229X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .030" deep x 3.100" dia. w/2 valve reliefs, w/deep oil ring groove
BLOCK	6	Cast Piston	90	H728P Std-20-30-40-60	Exc. NA4 Emis.; Under 8500 GVW; Use w/E-459K or E-459X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .030" deep x 3.100" dia. w/2 valve reliefs, w/shallow oil ring groove

(continued on next page)

GMC Truck (Includes Minivans)

28 4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85
 (cont.) L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & 2002-2008 (Vortec), "Z" 1985-96

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	90	H695CP30 30	Exc. NA4 Emis.; Under 8500 GVW; Use w/E-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .030" deep x 3.100" dia. w/2 valve reliefs, w/deep oil ring groove; DurOshield® skirt coated piston
6	Cast Piston	90	H645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/E-229K or E-229X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.
6	Cast Piston	90	645P Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
6	Cast Piston	90	640P Std-20-30-40-60-80	Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
6	Cast Piston	89-85	H645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/E-229K or E-229X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.
6	Cast Piston	89-85	645P Std-20-30-40-60	Perf. or reg. duty operation; Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
6	Cast Piston	89-85	640P Std-20-30-40-60-80	Use w/E-229K or E-229X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
6	Cast Piston - Individual	90	WH695P Std-20-30-40-60	Exc. NA4 Emis.; Under 8500 GVW; Use w/WE-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .030" deep x 3.100" dia. w/2 valve reliefs, w/deep oil ring groove
6	Cast Piston - Individual	90	WH728P Std-20-30-40-60	Exc. NA4 Emis.; Under 8500 GVW; Use w/WE-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .030" deep x 3.100" dia. w/2 valve reliefs, w/shallow oil ring groove
6	Cast Piston - Individual	90	WH645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/WE-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.
6	Cast Piston - Individual	90	W645P Std-30-40-60	Perf. or reg. duty operation; Use w/WE-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
6	Cast Piston - Individual	90	W640P Std-20-30-40-60	Use w/WE-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
6	Cast Piston - Individual	89-85	WH645NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use w/WE-459K ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. Use in sets only. DurOshield® skirt coated piston.
6	Cast Piston - Individual	89-85	W645P Std-30-40-60	Perf. or reg. duty operation; Use w/WE-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
6	Cast Piston - Individual	89-85	W640P Std-20-30-40-60	Use w/WE-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Prem. Rings	90	6K640P30 30-40-60	Use w/E-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Prem. Rings	89-85	6K640P30 30-40-60	Use w/E-459K ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	90	6X640P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	89-85	6X640P30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-229K Std-20-30-40-60	Use w/640P, 645P, H645NCP or H695P piston; 2-5/64", 1-3/16"
1	Premium Set	90	E-459K Std-20-30-40-60	VIN Code "Z"; .190" deep oil ring groove; Use w/H728P piston; 2-5/64", 1-3/16"
1	Premium Set	90-85	E-628K Std-20-30-40	.155" shallow oil ring groove; 2-5/64", 1-3/16"

(continued on next page)

GMC Truck (Includes Minivans)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 28
L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & (cont.)
2002-2008 (Vortec), "Z" 1985-96

B	LOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
		1	Premium Set	89-85	E-459K Std-20-30-40-60	.190" deep oil ring groove; Use w/H728P piston; 2-5/64, 1-3/16
		1	Standard Set	90	E-229X Std-20-30-40-60	Use w/640P, 645P, H645NCP or H695P piston; 2-5/64, 1-3/16
		1	Standard Set	90	E-459X Std-20-30-40-60	VIN Code "B" & "Z"; .190" deep oil ring groove; Use w/H728P piston; 2-5/64, 1-3/16
		1	Standard Set	89-85	E-459X Std-20-30-40-60	.190" deep oil ring groove; Use w/H728P piston; 2-5/64, 1-3/16
		6	Premium Single Cylinder Set	90	WE-459K Std-20-30-40-60	VIN Code "B"; .190" deep oil ring groove; 2-5/64, 1-3/16
		6	Premium Single Cylinder Set	90-85	WE-628K Std Only	.155" shallow oil ring groove; 2-5/64, 1-3/16
		6	Premium Single Cylinder Set	89-85	WE-459K Std-20-30-40-60	.190" deep oil ring groove; 2-5/64, 1-3/16
		QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
		1	Main Set	90-85	5085M Std-1-10-20-30-40	
B	LOCK	1	Main Set	90-85	6687M10 10-20-30	.020" O/S length flange brg.
		1	Main Set	90-85	5085MA Std-1-10-20-30-40	A-Series aluminum bearings
		1	Main Set	90-85	7380MA10X20 10X20	A-Series aluminum bearings ; Use in .020" O/S Bore
		1	Rod Set	90-85	6-1020CP Std-.026-.25-.50-.75-1.00MM	
		1	Rod Set	90-85	6-1020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
		1	Rod Set	90-85	6-1020A25X2 25X2-50X2-75X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
		6	Rod Pair	90-85	1020CP Std-.026-.25-.50-.75-1.00MM	
		6	Rod Pair	90-85	1020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
		1	Cam Set	90-85	1463M Std-1	Exc. Eng. w/"T" before the I.D. No. located on front of block; Babbitt material; Full round design
		1	Cam Set	90-85	1791M Std Only	Exc. Eng. w/"T" before the I.D. No. located on front of block; O.E. split type design
B	LOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
		1	Oil Pump	90	224-43469V	High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide
		1	Oil Pump	90	224-43469	3/4" inlet; w/nylon shaft guide
		1	Oil Pump	90-85	224-4146A	High Pressure; 5/8" inlet
		1	Oil Pump	90-85	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
		1	Oil Pump	90-85	224-4146	5/8" inlet
		1	Inter. Shaft	90-85	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
		1	Inter. Shaft	90-85	224-6146	Use w/nylon shaft guide
		1	Oil Pump Shaft Guide	90-85	224-43343	Nylon
		1	Screen Assy.	90	224-14259	4WD; VIN Codes "W" & "Z"; 5/8" inlet tube
B	LOCK	1	Screen Assy.	90-89	224-1346	Exc. S10, Astro & Safari; 5/8" inlet tube
		1	Screen Assy.	90-88	224-14262	2WD; S10 & S15; 5/8" inlet tube
		1	Screen Assy.	88-85	224-1346	Exc. S10, Astro & Safari; 5/8" inlet tube
		QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
		1	Kit Gasket Set	90	260-1240	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
		1	Kit Gasket Set	89-87	260-1240	VIN Code "Z"; w/o Balance shaft; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
		1	Kit Gasket Set	86	260-1240	Astro & Safari; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
		1	Kit Gasket Set	86	260-1241	Exc. Astro & Safari; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
		1	Kit Gasket Set	85	260-1239	Exc. pipe packing not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
		QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
		1	Brass Block Plug Kit	90-86	381-8058	
		1	Brass Block Plug Kit	85	381-8049	
		1	Steel Block Plug Kit	85	381-9676	

(continued on next page)

GMC Truck (Includes Minivans)

28 4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85

(cont.) L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & 2002-2008 (Vortec), "Z" 1985-96

K I T S	RE-RING KIT		K I T S
	YEARS	DESCRIPTION	
	90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
		Re-ring Re-ring w/Mains	
90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; w/.155" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
89-87	VIN Code "Z"; w/o Balance shaft; Exh. pipe packing not incl.; w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
89-87	VIN Code "Z"; w/o Balance shaft; Exh. pipe packing not incl.; w/.155" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
86	Astro & Safari; Exh. pipe packing not incl.; w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
86	Exc. Astro & Safari; Exh. pipe packing not incl.; w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
86	Astro & Safari; Exh. pipe packing not incl.; w/.155" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
85	Exh. pipe packing not incl.; w/.190" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		
	Re-ring Re-ring w/Mains		
OVERHAUL KIT		K I T S	
YEARS	DESCRIPTION		
90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Engs. w/"T" before the I.D. No. located on front of block; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 645P piston		
	Block w/Pump & Freeze Plugs		
90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Engs. w/"T" before the I.D. No. located on front of block; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. 645P piston		
	Block		
90	VIN Code "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Engs. w/"T" before the I.D. No. located on front of block; Exc. NA4 Emis.; Under 8500 GVW; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. H728P piston		
	Block w/Pump & Freeze Plugs		
90	VIN Code "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Engs. w/"T" before the I.D. No. located on front of block; Exc. NA4 Emis.; Under 8500 GVW; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. H728P piston		
	Block		

GMC Truck (Includes Minivans)

4.3L 262 OHV V6 (Chevrolet), 4" Bore 1990-85 28
L/D Truck VIN Codes "B" 1990-91 (H.O.), "N" 1985-86, "W" 1992-2003 (Vortec H.O.), "X" 1996-99 & (cont.)
2002-2008 (Vortec), "Z" 1985-96

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. BKP-6053	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION			
	90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Eng. w/"T" before the I.D. No. located on front of block; Exc. NA4 Emis.; Under 8500 GVW; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. H695P piston	Block w/Pump & Freeze Plugs		
	90	VIN Codes "B" & "Z"; w/o Balance shaft; Exh. pipe packing not incl.; Exc. Eng. w/"T" before the I.D. No. located on front of block; Exc. NA4 Emis.; Under 8500 GVW; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings ; Incl. H695P piston	Block	BK-6053	
	90	VIN Code "Z"; w/o Balance shaft; Exc. Eng. w/"T" before the I.D. No. located on front of block; Exh. pipe packing not incl.; Perf. or reg. duty operation; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-7012 MK-7012	MKP-2012 MK-2012
	90	VIN Code "Z"; w/o Balance shaft; Exc. Eng. w/"T" before the I.D. No. located on front of block; Exh. pipe packing not incl.; Perf. or reg. duty operation; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-7012	505-2012
	90-87	VIN Code "Z"; Exc. Eng. w/"T" before the I.D. No. located on front of block; .155" shallow oil ring groove; w/o Balance shaft; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. High Pressure, 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-7014	-----

4.3L 265 OHV V8 (Chevrolet), 3.75" Bore 1957-55 29
L/D Truck

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	57-55	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262	
	1	Timing Chain	57-55	222-489	46 Links	
	1	Crank Sprocket	57-55	223-262	18 Teeth	
	1	Cam Sprocket	57-55	223-261	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	57-55	CS-273	Use w/Hyd. lifters	
	16	Lifter	57-55	HT-817 Std Only	Hyd.	
	16	Lifter, Bulk	57-55	HT-817B Std Only	Hyd.; Carton of 128	
	1	Prelube	57-55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	57-55	KC-273	Hyd.; Incl. (1) CS-273, (16) HT-817, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	57-55	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	57-55	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	57-55	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
	16	Push Rod	57-55	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
	16	Push Rod	57-55	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	57-55	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	16	Push Rod, Bulk	57-55	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm Assy.	57-55	R-826	Incl. arm, ball & nut	
	16	Arm Assy., Bulk	57-55	R-826B	Incl. arm, ball & nut; Carton of 64	
	16	Arm	57-55	R-826A		
	16	Nut	57-55	MR-1751	Self-locking, 3/8" x 24 threads	
	16	Stud	57-55	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	16	Stud	57-55	MR-1949	3/8" x 24 x 2.495"	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	57-55	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	

(continued on next page)

GMC Truck (Includes Minivans)

29 4.3L 265 OHV V8 (Chevrolet), 3.75" Bore 1957-55 (cont.) L/D Truck

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	57-55	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	57-55	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Intake	57-55	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	57-55	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	57-55	VS-521	Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	57-55	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	57-55	MV-1233C	O-Ring; Rubber
BLOCK	16	Valve Stem Seal Bulk	57-55	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	57-55	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	57-55	VK-115	1 groove; Square cut key groove
	32	Keeper	57-55	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	57-55	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	57-55	259-201B	.030"; Carton of 100
	16	Spring Insert	57-55	259-201A	.060"; Carton of 100
	16	Spring Insert	57-55	259-201ARS	.060"; Carton of 500
	8	Rotocap	57-55	RC-157S	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	57-55	E-240K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	57-55	E-240X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	57-55	WE-240K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	57-55	WE-240X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	57-55	994M Std-1-10-20-30-40	
	1	Rod Set	57-55	8-2020CP Std-1-10-20-30-40	
	8	Rod Pair	57-55	2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	57-55	1145M Std Only	Babbitt material; Full round design
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	57-55	224-43363	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	57	260-1000	Rear main brg. seal not incl.
	2	Head Bolt Set	57-55	260-2500	

30 4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79 L/D Truck VIN Code "J" 1979-82

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	82-79	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	Timing Set w/Gaskets	82-79	CTS-1000	w/.405" tooth width sprocket
	1	Timing Chain	82-79	222-499	Use w/.405" tooth width sprocket; 46 Links
	1	Crank Sprocket	82-79	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Cam Sprocket	82-79	223-390	.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	82-79	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-80	CS-711	
	1	Camshaft	79	CS-673	
VALVE TRAIN	16	Lifter	82-79	HT-817 Std Only	Hyd.
	16	Lifter, Bulk	82-79	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	82-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	82-80	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	79	KC-673	Hyd.; Incl. (1) CS-673, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	82-80	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79	KCT-673	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-673, (16) HT-817, (1) KT3-499S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	82-79	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
VALVE TRAIN	16	Push Rod	82-79	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	82-79	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	82-79	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	82-79	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79 **30**
L/D Truck VIN Code "J" 1979-82 (cont.)

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	82-79	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	82-79	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	82-79	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	82-79	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	82-79	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	82-79	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	82-79	R-826A	
	16	Pivot Ball	82-79	MR-1783	
VALVE TRAIN	16	Pivot Ball	82-79	MR-1822	H/D 4 groove ball
	16	Nut	82-79	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	82-79	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	82-79	MR-1949	3/8" x 24 x 2.495"
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	82-79	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	8	Guide	82-79	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide	82-79	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide	82-79	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
VALVE TRAIN	8	Guide, Bulk	82-79	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk	82-79	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk	82-79	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	82-79	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	82-79	MV-1233	O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	82-79	245-1437-2 Std Only	1.4425" OD, 1.2190" ID, .2160" Depth
VALVE TRAIN	8	Int.	82-79	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	82-79	VK-115	1 groove; Square cut key groove
	32	Keeper	82-79	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	82-79	VK-115B	1 groove; Square cut key groove; Carton of 1000
BLOCK	8	Rotocap	82-79	RC-157S	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	82-79	E-236K Std-30	2-5/64, 1-3/16
	1	Standard Set	82-79	E-236X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	82-79	WE-236K Std-30	2-5/64, 1-3/16
BLOCK	8	Standard Single Cylinder Set	82-79	WE-236X Std-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-79	4663M Std-1-2-10-20-30-40-60	
	1	Main Set	82-79	6688M10 10-20-30	.020" O/S length flange brg.
	1	Main Set	82-79	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
BLOCK	1	Main Set	82-79	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Rod Set	82-79	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	82-79	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set	82-79	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set	82-79	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
BLOCK	1	Rod Set	82-79	8-2555CA60 60	Unplated & resizeable
	8	Rod Pair	82-79	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair	82-79	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair	82-79	2555CA60 60	Unplated & resizeable
	1	Cam Set	82-79	1235M Std-1-10	Babbitt material; Full round design
BLOCK	1	Cam Set	82-79	1749M Std Only	Bi-Metal Aluminum
	1	Cam Set	82-79	1750M Std Only	2.030" housing bore
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	82-79	224-4146A	High Pressure; 5/8" inlet
	1	Oil Pump	82-79	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
BLOCK	1	Oil Pump	82-79	224-4146	5/8" inlet
	1	Inter. Shaft	82-79	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	82-79	224-6146	Use w/nylon shaft guide
	1	Oil Pump Shaft Guide	82-79	224-43343	Nylon
	1	Screen Assy.	82-79	224-1246	5/8" inlet tube

(continued on next page)

GMC Truck (Includes Minivans)

30 4.4L 267 OHV V8 (Chevrolet), 3.5" Bore 1982-79

(cont.) L/D Truck VIN Code "J" 1979-82

QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
2	Head Bolt Set	82-79	260-2500	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	82-79	381-8007	
1	Steel Block Plug Kit	82-79	381-4011	

31 4.4L 270 OHV L6 (GMC), 3.7813" Bore 1962-56

L/D Truck

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Cam Gear	62-56	221-2514	Alum.; 54 Teeth
1	Cam Gear	62-56	221-2500	Silent type; 54 Teeth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	62-56	VG-509	.3435" ID, 2.1880" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	62-56	VS-424	2.2500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	62-56	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	62-56	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	62-56	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	62-56	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	62-56	VK-115	w/o Rototype valve; 1 groove; Square cut key groove
24	Keeper	62-56	VK-115R	w/o Rototype valve; 1 groove; Square cut key groove; Hardened
24	Keeper	62-56	VK-261	W/Rototype
24	Keeper, Bulk	62-56	VK-115B	w/o Rototype valve; 1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	62-56	259-203C	.015"; Carton of 100
12	Spring Insert	62-56	259-203B	.030"; Carton of 100
12	Spring Insert	62-56	259-203BRS	.030"; Carton of 500
12	Spring Insert	62-56	259-203A	.060"; Carton of 100
12	Spring Insert	62-56	259-203ARS	.060"; Carton of 500
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	62-60	697M Std-10-20	
6	Rod Pair	62-60	1905CP Std-10-20	
1	Cam Set	62-60	1094M Std Only	

32 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57

L/D Truck

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	67	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	66-57	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262
1	3 Piece Set	66-57	KT3-163S	Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
1	Timing Set w/Gaskets	67-57	CTS-1100R	
1	Timing Set w/Gaskets	66-57	CTS-1002	Incl. double rlr. type chain
1	Timing Chain	67	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Timing Chain	66-57	222-163	Double rlr.; 58 Links
1	Timing Chain	66-57	222-489	46 Links
1	Crank Sprocket	67	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Crank Sprocket	66-57	223-289	Double row; 22 Teeth
1	Crank Sprocket	66-57	223-262	18 Teeth
1	Cam Sprocket	67	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	67	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	66-57	223-288	Double row; 44 Teeth
1	Cam Sprocket	66-57	223-261	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	67-63	CS-274	
1	Camshaft	62-57	CS-273	Use w/Hyd. lifters
1	Performance Cam	67-57	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	67-57	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees

(continued on next page)

GMC Truck (Includes Minivans)

4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57 **32**
L/D Truck (cont.)

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Performance Cam	67-57	CS-1106R		Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
16	Lifter	67-57	HT-817 Std Only		Hyd.
16	Lifter, Bulk	67-57	HT-817B Std Only		Hyd.; Carton of 128
1	Prelube	67-57	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	67-63	KC-274		Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	67-57	KC-1103R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	67-57	KC-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	67-57	KC-1106R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	62-57	KC-273		Hyd.; Incl. (1) CS-273, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	67	KCT-274		Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	67-57	KCT-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	66-63	KCT-274A		Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
1	Cam/Lifter/Timing Kit	66-63	KCT-274C		Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	67-57	RP-3212R		Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	67-57	RP-3212R100		Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	67-57	RP-3212R150		Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	67-57	RP-3212R200		Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	67-57	RP-3093		7.7940" O.A.L.
16	Push Rod, Bulk	67-57	BRP-3093		Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	67-57	BRP-3212R		Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	67-57	BRP-3212R100		Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS				DESCRIPTION
		YEARS	PART NO.		
16	Arm Assy.	67-57	R-826		Incl. arm, ball & nut
16	Arm Assy., Bulk	67-57	R-826B		Incl. arm, ball & nut; Carton of 64
16	Arm	67-57	R-826A		
16	Pivot Ball	67-57	MR-1783		
16	Pivot Ball	67-57	MR-1822		H/D 4 groove ball
16	Nut	67-57	MR-1751		Self-locking, 3/8" x 24 threads
16	Stud	67-57	MR-1752		.003" O/S, 3/8" x 24 x 2.495"
16	Stud	67-57	MR-1949		3/8" x 24 x 2.495"
QTY	VALVE				DESCRIPTION
		YEARS	PART NO.		
8	Exhaust	67-57	V-1888X Std-15		Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	67-57	V-1199 Std-3-5-15-30		1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	67-57	V-1199B Std-15		Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake	67-57	V-1200 Std-3-15-30		1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	67-57	V-1200B Std Only		Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING				DESCRIPTION
		YEARS	PART NO.		
16	Spring	67	VS-677		Incl. damper; 2.0300" Free Height
16	Spring	67	VS-739R		Optional-H/D; 2.0000" Free Height
16	Spring	66-57	VS-521		Incl. damper; 2.1090" Free Height
16	Spring, Bulk	67	VS-677B		Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	67	VS-739RB		Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL				DESCRIPTION
		YEARS	PART NO.		
16	Valve Stem Seal	67-57	MV-1903		Exh. & Int.; Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	67-57	ST-2001		Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE

(continued on next page)

GMC Truck (Includes Minivans)

32 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57
(cont.) L/D Truck

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	58-57	MV-1711	Int.; O.E. design; Positive type; Carton of 100; Rubber
	16	Valve Stem Seal	67-59	MV-1233C	Exh. & Int.; O-Ring; Rubber
	8	Valve Stem Seal	58-57	MV-1233C	Exh.; O-Ring; Rubber
	16	Valve Stem Seal Bulk	67-59	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	67-57	ST-2001BC	Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	58-57	MV-1233	Exh.; O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	67-57	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
	8	Exh.	67-57	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
VALVE TRAIN	8	Int.	67-57	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	67-57	VK-115	1 groove; Square cut key groove
	32	Keeper	67-57	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	67-57	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	67-57	259-203C	.015"; Carton of 100
	16	Spring Insert	67-57	259-203B	.030"; Carton of 100
	16	Spring Insert	67-57	259-203BRS	.030"; Carton of 500
	16	Spring Insert	67-57	259-203A	.060"; Carton of 100
	16	Spring Insert	67-57	259-203ARS	.060"; Carton of 500
BLOCK	8	Rotocap	66-57	RC-157S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	67-57	235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 235NP
	8	Cast Piston	67-57	235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston - Individual	67-57	W235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W235NP
	8	Cast Piston - Individual	67-57	W235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	8	Powerforged	67-63	L-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged	60-58	L-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	67-63	WL-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	60-58	WL-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	67-57	E-245K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	67-57	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	67-57	WE-245K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	67-57	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	67-57	994M Std-1-10-20-30-40	
	1	Rod Set	67-57	8-2020CP Std-1-10-20-30-40	
	8	Rod Pair	67-57	2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	67-64	1235M Std-1-10	Babbitt material; Full round design
BLOCK	1	Cam Set	67-64	1749M Std Only	Bi-Metal Aluminum
	1	Cam Set	67-64	1750M Std Only	2.030" housing bore
	1	Cam Set	63-57	1145M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	67-57	224-4146A	High Pressure; 5/8" inlet
	1	Oil Pump	67-57	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
	1	Oil Pump	67-57	224-4146	5/8" inlet
	1	Inter. Shaft	67-57	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
	1	Inter. Shaft	67-57	224-6146	Use w/nylon shaft guide
	1	Oil Pump Shaft Guide	67-57	224-43343	Nylon
BLOCK	1	Screen Assy.	67-65	224-1246	5/8" inlet tube
	1	Screen Assy.	64-57	224-1146	5/8" inlet

(continued on next page)

GMC Truck (Includes Minivans)

4.6L 283 OHV V8 (Chevrolet), 3.875" Bore 1967-57 **32**
L/D Truck (cont.)

QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	67-59	260-1000		
1	Kit Gasket Set	58-57	260-1000	Rear main brg. seal not incl.	
2	Head Bolt Set	67-57	260-2500		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	67-57	381-8007		
1	Steel Block Plug Kit	67-57	381-4011		
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	67-59		Re-ring	205-619	205-119
			Re-ring w/Mains	205-619M	205-119M
	58-57	Rear main brg. seal not incl.	Re-ring	205-619	205-119
			Re-ring w/Mains	205-619M	205-119M
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	67	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-619F	MKP-119F
			Master w/o Pistons	MK-619F	MK-119F
KITS			Master w/o Rods & Mains	505-619F	505-119F
	66-64	Incl. 5/8" inlet oil pump	Master	MKP-619D	MKP-119D
			Master w/o Pistons	MK-619D	MK-119D
			Master w/o Rods & Mains	505-619D	505-119D
	63	Incl. 5/8" inlet oil pump	Master	MKP-619A	MKP-119A
			Master w/o Pistons	MK-619A	MK-119A
			Master w/o Rods & Mains	505-619A	505-119A
	62-59	Incl. 5/8" inlet oil pump	Master	MKP-619C	MKP-119C
			Master w/o Pistons	MK-619C	MK-119C
			Master w/o Rods & Mains	505-619C	505-119C
KITS	58-57	Rear main brg. seal not incl.; Incl. 5/8" inlet oil pump	Master	MKP-619C	MKP-119C
			Master w/o Pistons	MK-619C	MK-119C
			Master w/o Rods & Mains	505-619C	505-119C

4.7L 288 OHV V8 (Pontiac), 3.75" Bore 1955 **33**
L/D Truck

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	55	CS-187		
16	Lifter	55	HT-951 Std Only	Hyd.	
16	Lifter, Bulk	55	HT-951B Std Only	Hyd.; Carton of 128	
1	Prelube	55	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	55	RP-3028	9.1360" O.A.L.	
16	Push Rod, Bulk	55	BRP-3028	Carton of 100; 9.1360" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	55	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.	
8	Guide	55	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.	
8	Guide	55	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.	
8	Guide, Bulk	55	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	55	VS-445	Inner; 1.8120" Free Height	
16	Spring	55	VS-446	Outer; 1.9800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	55	ST-2018R	Positive type; Installation requires valve guide machining; Use w/double spring; PTFE	
16	Valve Stem Seal	55	MV-1233C	O-Ring; Rubber	
16	Valve Stem Seal Bulk	55	MV-1233	O-Ring; Carton of 100; Rubber	
16	Valve Stem Seal Bulk	55	ST-2018RBC	Positive type; Installation requires valve guide machining; Carton of 100; Use w/double spring; PTFE	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	55	VK-115	1 groove; Square cut key groove	
32	Keeper	55	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	55	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	55	E-240K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	55	E-240X Std-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	55	WE-240K Std-20-30-40-60	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	55	WE-240X Std-30-40-60	2-5/64, 1-3/16	

(continued on next page)

GMC Truck (Includes Minivans)

33 4.7L 288 OHV V8 (Pontiac), 3.75" Bore 1955

(cont.) L/D Truck

QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
1	Repair Sleeve	55	SL-19M Std Only	3/32" wall, must be cut to correct length
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Inter. Shaft	55	224-61236	

34 4.8L 292 OHV L6 (Chevrolet), 3.875" Bore 1989-63

L/D Truck VIN Codes "S" 1968-72, "T" 1972-89

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Gear Set	89-63	221-2528S	Incl. (1) 221-2526, (1) 221-2527
1	Crank Gear	89-63	221-2527	27 Teeth
1	Cam Gear	89-63	221-2526	Alum.; 54 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	89-63	CS-551	
12	Lifter	89-63	HT-817 Std Only	Hyd.
12	Lifter, Bulk	89-63	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	89-63	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	89-63	KC-551	Hyd.; Incl. (1) CS-551, (12) HT-817, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	89-85	RP-3188	11.3820" O.A.L.
12	Push Rod	84-63	RP-3188	11.3820" O.A.L.
12	Push Rod, Bulk	89-85	BRP-3188	Carton of 100; 11.3820" O.A.L.
12	Push Rod, Bulk	84-63	BRP-3188	Carton of 100; 11.3820" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	89-63	R-832	Incl. arm, ball & nut
12	Arm Assy., Bulk	89-63	R-832B	Incl. arm, ball & nut; Carton of 64
12	Arm	89-63	R-832A	
12	Pivot Ball	89-63	MR-1780	
12	Nut	89-63	MR-1751	Self-locking, 3/8" x 24 threads
12	Stud	89-63	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	89-63	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	89-86	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
6	Exhaust	85-63	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Intake	89-71	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake	70-63	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	89-71	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	70-63	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	89-63	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
6	Guide	89-63	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
6	Guide	89-63	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
6	Guide	89-63	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk	89-63	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
6	Guide, Bulk	89-63	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
6	Guide, Bulk	89-63	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	89-63	VS-521	Exh. & Int.; Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	84-63	ST-2001	Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
6	Valve Stem Seal	84-63	MV-1903	Int.; Use w/VG-5038 repair guide; Positive type; Rubber
12	Valve Stem Seal	89-63	MV-1233C	Exh. & Int.; O-Ring; Rubber
12	Valve Stem Seal Bulk	89-63	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	84-63	ST-2001BC	Exh. & Int.; Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	89-63	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
6	Exh.	89-63	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
6	Int.	89-63	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	89-63	VK-115	1 groove; Square cut key groove
24	Keeper	89-63	VK-115R	1 groove; Square cut key groove; Hardened

(continued on next page)

GMC Truck (Includes Minivans)

4.8L 292 OHV L6 (Chevrolet), 3.875" Bore 1989-63 **34**
L/D Truck VIN Codes "S" 1968-72, "T" 1972-89 (cont.)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
24	Keeper, Bulk	89-63	VK-115B	1 groove; Square cut key groove; Carton of 1000	
12	Spring Insert	89-63	259-203C	.015"; Carton of 100	
12	Spring Insert	89-63	259-203B	.030"; Carton of 100	
12	Spring Insert	89-63	259-203BRS	.030"; Carton of 500	
12	Spring Insert	89-63	259-203A	.060"; Carton of 100	
12	Spring Insert	89-63	259-203ARS	.060"; Carton of 500	
6	Rotocap	89-63	RC-157S		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	89-63	H909CP Std-20-30-40-60	Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .312" deep x 3.210" dia. - 7.6:1 C.R.; DurOshield® skirt coated piston	
6	Cast Piston	89-63	H909P Std-20-30-40-60	Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .312" deep x 3.210" dia. - 7.6:1 C.R.	
6	Cast Piston - Individual	89-63	WH909CP Std-20-30-40-60	Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .312" deep x 3.210" dia. - 7.6:1 C.R.; DurOshield® skirt coated piston	
6	Cast Piston - Individual	89-63	WH909P Std-20-30-40-60	Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .312" deep x 3.210" dia. - 7.6:1 C.R.	
6	Pin	89-63	P-2208 Std-3-5-0015		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	89-63	E-217K Std-20-30-40-60	2-3/32, 1-3/16	
1	Premium Set	89-63	E-217KC Std Only	2-3/32, 1-3/16	
1	Standard Set	89-63	E-217X Std-20-30-40-60	2-3/32, 1-3/16	
6	Premium Single Cylinder Set	89-63	WE-217K Std-20-30-40-60	2-3/32, 1-3/16	
6	Standard Single Cylinder Set	89-63	WE-217X Std-20-30-40-60	2-3/32, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve	89-63	SL-20Y Std Only	1/8" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	89-63	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set	89-63	6-2555A Std-10-20-30-40	A-Series aluminum bearings	
1	Rod Set	89-63	6-2555CP Std-10-20-30-40	Overplated copper-lead alloy lining material; 6-2555CA 60 avail. as unplated & resizeable	
1	Rod Set	89-63	6-2555CA60 60	Unplated & resizeable	
6	Rod Pair	89-63	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
6	Rod Pair	89-63	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
6	Rod Pair	89-63	2555CA60 60	Unplated & resizeable	
1	Cam Set	89-71	1557M Std Only		
1	Cam Set	70-63	1203M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	89-63	224-4147		
1	Oil Pump	89-63	224-4157	High Volume, check pan for clearance	
1	Screen Assy.	89-68	224-1647		
1	Tool	89-63	MT-J21882	Pump screen installation tool for 5/8" tube	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	89-85	260-1267	Exh. pipe packing not incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	84-81	260-1044	Exh. pipe packing not incl.	
1	Kit Gasket Set	80	260-1044	W/24 bolt oil pan	
1	Kit Gasket Set	78-63	260-1005		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	89-63	381-8006		
YEARS	RE-RING KIT DESCRIPTION	PREMIUM KIT NO.		ECONOMY KIT NO.	
89-85	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	205-6036	205-1036	205-6036M	205-1036M
84-81	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings	205-6266	205-1266	205-6266M	205-1266M
80	w/24 bolt oil pan; Incl. A-Series aluminum bearings	205-6266	205-1266	205-6266M	205-1266M
78-63	Incl. A-Series aluminum bearings	205-606M	-----		
78-63	Incl. A-Series aluminum bearings	205-6265	205-1265	205-6265M	205-1265M

(continued on next page)

GMC Truck (Includes Minivans)

34 4.8L 292 OHV L6 (Chevrolet), 3.875" Bore 1989-63 (cont.) L/D Truck VIN Codes "S" 1968-72, "T" 1972-89

K I T S	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	89-86	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6036A MK-6036A	MKP-1036A MK-1036A	
	89-86	Exh. pipe packing not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6036A	505-1036A	
	85	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-6036A MK-6036A	MKP-1036A MK-1036A	
	85	Exh. pipe packing not incl.; Premium valve stem seals incl.	Master w/o Rods & Mains	505-6036A	505-1036A	
	84-81	Exh. pipe packing not incl.	Master w/o Rods & Mains	505-607A	505-107A	
	84-81	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-607A MK-607A	MKP-107A MK-107A	
	84-81	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-607B MK-607B	MKP-107B MK-107B	
	80	W/24 bolt oil pan	Master w/o Rods & Mains	505-607A	505-107A	
	80	W/24 bolt oil pan; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-607A MK-607A	MKP-107A MK-107A	
	80	W/24 bolt oil pan; Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-607B MK-607B	MKP-107B MK-107B	
	78-71		Master w/o Rods & Mains	505-606C	505-106C	
	78-71	Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-606C MK-606C	MKP-106C MK-106C	
	78-71	Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-606E MK-606E	MKP-106E MK-106E	
	70-63		Master w/o Rods & Mains	505-606A	505-106A	
	70-63	Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-606A MK-606A	MKP-106A MK-106A	
	70-63	Incl. A-Series aluminum bearings	Master Master w/o Pistons	MKP-606D MK-606D	MKP-106D MK-106D	

35 4.8L 292 OHV LPG L6 (Chevrolet), 3.875" Bore 1976-74 L/D Truck VIN Codes "S" 1974-76, "T" 1974-76

B L O C K	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Exhaust	76-74	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	6	Intake	76-74	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	6	Cast Piston	76-74	980P20 20-30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .150" deep	
	6	Cast Piston - Individual	76-74	W980P20 20-30-40-60	Cast; 2-3/32", 1-3/16" Ring Groove, 2.010" CD, .9275" Pin Dia., Recessed Head .150" deep	
	6	Pin	76-74	P-2208 Std-3-5-0015		
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Brass Block Plug Kit	74	381-8006		

36 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" 1976, "U" 1976-79

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	3 Piece Set	90	KT3-499SA	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505	
	1	3 Piece Set	90-76	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
	1	Timing Set w/Gaskets	90-86	CTS-1000	Oil pan gskt. not incl.; w/.405" tooth width sprocket	
	1	Timing Set w/Gaskets	90-76	CTS-1100R		
	1	Timing Set w/Gaskets	85-76	CTS-1000	w/.405" tooth width sprocket	
	1	Timing Chain	90-76	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Crank Sprocket	90	223-505	Steel; .405" tooth width sprocket; 18 Teeth	
	1	Crank Sprocket	90-76	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
	1	Cam Sprocket	90-76	223-390	.405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	90-76	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth	

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 36

L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" (cont.) 1976, "U" 1976-79

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-81	CS-711	
	1	Camshaft	80-76	CS-673	
	1	Performance Cam	80-76	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-76	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-76	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
	16	Lifter	90-76	HT-817 Std Only	Hyd.
	16	Lifter	90-76	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
	16	Lifter, Bulk	90-76	HT-817B Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk	90-76	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
VALVE TRAIN	1	Prelube	90-76	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-81	KC-711	Hyd.; Incl. (1) CS-711, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-76	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-76	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-76	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-76	KC-673	Hyd.; Incl. (1) CS-673, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-81	KCT-711	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-711, (16) HT-817, (1) KT3-499S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-76	KCT-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-76	KCT-673	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-673, (16) HT-817, (1) KT3-499S, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	90-76	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	90-76	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	90-76	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	90-76	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	90-76	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	90-76	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	90-76	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	90-76	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-81	R-973	Incl. arm, ball & nut
	16	Arm Assy.	80-76	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	90-81	R-973B	Incl. arm, ball & nut; Carton of 64
	16	Arm Assy., Bulk	80-76	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	90-81	R-973A	
	16	Arm	80-76	R-826A	
	16	Pivot Ball	90-76	MR-1783	
	16	Pivot Ball	90-76	MR-1822	H/D 4 groove ball
	16	Nut	90-76	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	90-76	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	90-76	MR-1949	3/8" x 24 x 2.495"
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-87	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	90-87	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	86-81	V-1904 Std-3-15-30	Exc. VIN Code "H"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

36 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" 1976, "U" 1976-79

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust	86-81	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	86-81	V-1988X Std-3-15	VIN Code "H"; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	80-79	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	80-79	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	78-77	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	78-77	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	78-77	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	76	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	76	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	90-87	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	86-81	V-1904B Std-15	Exc. VIN Code "H"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	86-81	V-1988XB Std-15	VIN Code "H"; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	80-79	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	78-77	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	78-77	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	76	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Intake	90-81	V-2143 Std-3-5-15	Chrome plated stem; 1.8390" Head Dia., .3410" Stem Dia., 4.9120" O.A.L.
8	Intake	80-76	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	90-81	V-2143B Std-15	Chrome plated stem; Carton of 25; 1.8400" Head Dia., .3413" Stem Dia., 4.9120" O.A.L.
8	Intake, Bulk	80-76	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-77	VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
8	Guide	90-77	VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide	90-77	VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
8	Guide	86-76	VG-5046	Exh.; .502" OD; .3740" ID, 2.2500" O.A.L.
8	Guide	86-76	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
8	Guide, Bulk	90-77	VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk	90-77	VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
8	Guide, Bulk	86-76	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	90-78	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
16	Spring	90-78	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
8	Spring	77-76	VS-727	Exh.; Incl. damper; 1.9100" Free Height
8	Spring	77-76	VS-677	Int.; Incl. damper; 2.0300" Free Height
16	Spring, Bulk	90-78	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	90-78	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
8	Spring, Bulk	77-76	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
8	Spring, Bulk	77-76	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90-76	ST-2003	Exh. & Int.; w/.343" stem dia.; Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	90-76	ST-2092	Exh. & Int.; w/.343" stem dia.; Positive type; Rubber
16	Valve Stem Seal	90-76	ST-2004	Exh. & Int.; W/.375" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	90-81	MV-1921	Exh.; Umbrella type; Nylon
16	Valve Stem Seal	90-81	MV-1233C	Exh. & Int.; O-Ring; Rubber
8	Valve Stem Seal	90-81	MV-1888C	Int.; Positive type; Viton®
16	Valve Stem Seal	80-76	MV-1233C	Exh. & Int.; O-Ring; Rubber

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 36

L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" (cont.) 1976, "U" 1976-79

VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal Bulk	90-81	MV-1921B	Exh.; Umbrella type; Carton of 100; Nylon
	16	Valve Stem Seal Bulk	90-81	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	90-81	MV-1888	Int.; Positive type; Carton of 50; Viton®
	16	Valve Stem Seal Bulk	90-76	ST-2003BC	Exh. & Int.; w/.343" stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	90-76	ST-2004BC	Exh. & Int.; w/.375" stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	80-76	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-76	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth
	8	Exh.	90-76	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
	8	Int.	90-76	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-76	VK-115	1 groove; Square cut key groove
	32	Keeper	90-76	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-76	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-76	259-203C	.015"; Carton of 100
	16	Spring Insert	90-76	259-203B	.030"; Carton of 100
	16	Spring Insert	90-76	259-203BRS	.030"; Carton of 500
	16	Spring Insert	90-76	259-203A	.060"; Carton of 100
	16	Spring Insert	90-76	259-203ARS	.060"; Carton of 500
	8	Rotocap	90-76	RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90-87	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston	90-87	536NCP20 20-30-40-60	VIN Code "H"; Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
	8	Cast Piston	90-87	536NP Std-20-30-40-60	VIN Code "H"; Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	8	Cast Piston	86-76	611P Std-20-30-40-60	Cast; Use w/E-356K, E-356KC or E-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston	86-76	454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	8	Cast Piston - Individual	90-87	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston - Individual	90-87	W536NP Std-20-30-40-60	VIN Code "H"; Cast; Use w/WE-356K or WE-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	8	Cast Piston - Individual	86-76	W611P Std-20-30-40-60	Cast; Use w/WE-356K or WE-356X ring set; For use w/350 crank w/o need to rebalance Eng.; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .095" deep x 3.130" dia. w/4 valve reliefs
	8	Cast Piston - Individual	86-76	W454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings	90-87	8K536NCP20 20-30-40-60	VIN Code "H"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	86-76	8K454NP30 30-40-60	Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings	90-87	8X536NP20 20-30-40	VIN Code "H"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
	1	Cast Piston Set w/Econ. Rings	86-76	8X454NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-76	E-356K Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-76	E-356KC Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	90-76	E-356X Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-76	WE-356K Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-76	WE-356X Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16

(continued on next page)

GMC Truck (Includes Minivans)

36 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" 1976, "U" 1976-79

B	BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B	BLOCK
		1	Main Set	90-76	4663M Std-1-2-10-20-30-40-60			
		1	Main Set	90-76	6688M10 10-20-30	.020" O/S length flange brg.		
		1	Main Set	90-76	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings		
		1	Main Set	90-76	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.		
		1	Main Set	90-76	7274MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD		
		1	Rod Set	90-86	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy		
		1	Rod Set	90-76	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings		
		1	Rod Set	90-76	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore		
		1	Rod Set	90-76	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy		
		1	Rod Set	90-76	8-2555CA60 60	Unplated & resizeable		
		8	Rod Pair	90-76	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings		
		8	Rod Pair	90-76	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy		
		8	Rod Pair	90-76	2555CA60 60	Unplated & resizeable		
		1	Cam Set	90-76	1235M Std-1-10	Babbitt material; Full round design		
		1	Cam Set	90-76	1749M Std Only	Bi-Metal Aluminum		
		1	Cam Set	90-76	1811M Std Only	Race Performance; "Big Block"; Split type design, 2.120" housing bore		
		1	Cam Set	90-76	1750M Std Only	2.030" housing bore		
B	BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	B	BLOCK
		1	Oil Pump	90	224-43469V	High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide		
		1	Oil Pump	90	224-43469	3/4" inlet; w/nylon shaft guide		
		1	Oil Pump	90-76	224-4146A	High Pressure; 5/8" inlet		
		1	Oil Pump	90-76	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide		
		1	Oil Pump	90-76	224-4146	5/8" inlet		
		1	Inter. Shaft	90-76	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide		
		1	Inter. Shaft	90-76	224-6146	Use w/nylon shaft guide		
		1	Oil Pump Shaft Guide	90-76	224-43343	Nylon		
		1	Screen Assy.	90-77	224-1246	5/8" inlet tube		
B	BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	B	BLOCK
		1	Kit Gasket Set	90-87	260-1246	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	90-87	260-1246	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	86	260-1243	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	86	260-1243	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	85	260-1243	C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	85	260-1024	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	85	260-1243	Exc. C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	85	260-1024	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Premium valve stem seals incl.		
		1	Kit Gasket Set	84-81	260-1024	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; Premium valve stem seals incl.		
		1	Kit Gasket Set	84-81	260-1024	Exc. C20, G20, K20, C2500, G2500, K2500; Premium valve stem seals incl.		
		1	Kit Gasket Set	80	260-1023			
		1	Kit Gasket Set	79-76	260-1023			
		2	Head Bolt Set	90-76	260-2500			

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **36**

L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" (cont.) 1976, "U" 1976-79

QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-86	381-8059			
1	Brass Block Plug Kit	85-76	381-8007			
1	Steel Block Plug Kit	90-76	381-4011			
RE-RING KIT					PREMIUM	ECONOMY
YEARS	DESCRIPTION				KIT NO.	KIT NO.
90-87	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6026 205-6026M	205-1026 205-1026M
90-87	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6026 205-6026M	205-1026 205-1026M
86	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6024 205-6024M	205-1024 -----
86	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6024 205-6024M	205-1024 -----
86	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring w/Mains	-----	205-1270M
86	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring w/Mains	-----	205-1270M
85	C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6024 205-6024M	205-1024 -----
85	Exc. C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6024 205-6024M	205-1024 -----
85	C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring w/Mains	-----	205-1270M
85	Exc. C20, G20, K20, C2500, G2500, K2500; w/One-piece rear main brg. seal; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring w/Mains	-----	205-1270M
85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M
85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M
84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M

(continued on next page)

GMC Truck (Includes Minivans)

36 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" 1976, "U" 1976-79

RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
84-81	Exc. C20, G20, K20, C2500, G2500, K2500; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6286 205-6286M	205-1286 205-1286M
80	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6285 205-6285M	205-1285 205-1285M
79-76	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6285 205-6285M	205-1285 205-1285M
OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION			
90	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. nylon shaft guide; Incl. 536NP piston	Block w/Pump & Freeze Plugs	BKP-6074	----
90	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; Incl. nylon shaft guide; Incl. 536NP piston	Block w/Pump & Freeze Plugs	BKP-6074	----
90	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; .200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; w/nylon shaft guide; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-7021 MK-7021	----- -----
90	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; .200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; w/nylon shaft guide; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-7021	----
90	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; .200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; w/nylon shaft guide; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-7021 MK-7021	----- -----
90	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; .200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 3/4" inlet oil pump; w/nylon shaft guide; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-7021	----
90-87	C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6026E	MK-1026E
90-87	Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6026E	MK-1026E
90-87	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-6026E	MKP-1026E

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 **36**

L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" (cont.) 1976, "U" 1976-79

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	90-87	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6026E	505-1026E	
	90-87	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-6026E	MKP-1026E	
	90-87	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6026E	505-1026E	
	90-87	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 536NP piston	Block w/Pump & Freeze Plugs	BKP-6072	----	
	90-87	VIN Code "H"; C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 536NP piston	Block	BK-6072	----	
	90-87	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 536NP piston	Block w/Pump & Freeze Plugs	BKP-6072	----	
	90-87	VIN Code "H"; Exc. C20, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 536NP piston	Block	BK-6072	----	
	86	C20, C25, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6024D	MK-1024D	K I T S
	86	Exc. C20, C25, G20, K20, C2500, G2500, K2500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6024D	MK-1024D	
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-648A	MK-148A	
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	----	MKP-148A	
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	----	505-148A	
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	----	505-148A	

(continued on next page)

GMC Truck (Includes Minivans)

36 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76

(cont.) L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" 1976, "U" 1976-79

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MKP-648A	ECONOMY KIT NO. -----
	YEARS	DESCRIPTION		
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	85	C20, G25, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	
	85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	
	85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	
	85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	85	Exc. C20, G20, K20, C2500, G2500, K2500; w/Two-piece rear main bearing seal; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	
	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	
K I T S	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	MKP-148A
	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	
	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	84-81	C20, G20, K20, C2500, G2500, K2500; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains	
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master	

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore 1990-76 36

L/D Truck VIN Codes "F" 1981-86, "G" 1980-81 & 1984-87, "H" 1979-96, "M" 1996-2002 (Vortec), "Q" (cont.) 1976, "U" 1976-79

KITS	OVERHAUL KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; w/.200" deep oil ring groove; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains		-----	505-148A	
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master		MKP-648A	-----	
	84-81	Exc. C20, G20, K20, C2500, G2500, K2500; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket; Incl. 454NP piston	Master w/o Rods & Mains		505-648A	-----	
	80	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons		MKP-647A MK-647A	MKP-147A MK-147A	
	80	w/.200" deep oil ring groove; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains		505-647A	505-147A	
	79-76	w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons		MKP-647A MK-647A	MKP-147A MK-147A	
	79-76	w/.200" deep oil ring groove; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains		505-647A	505-147A	

5.0L 305 OHV V6 (GMC), 4.25" Bore 1969-60 37

L/D Truck 305, 305C, 305E Engs.

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Crank Sprocket	69-66	223-377	24 Teeth	
	1	Crank Sprocket	65-60	223-311	24 Teeth	
	1	Cam Sprocket	65-60	223-310	48 Teeth	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	69-60	RP-3099	7.9890" O.A.L.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	69-60	V-1558 Std Only	Eng. Codes "A", "D" & "E"; Use w/o rotocap; w/o seal groove; w/o seal groove; Use w/o Rotocaps; 1.5669" Head Dia., .3406" Stem Dia., 5.9094" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	69-60	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.	
BLOCK	6	Guide	69-60	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.	BLOCK
	6	Guide	69-60	VG-5075T	Int.; Threaded; .3440" ID, 2.8750" O.A.L.	
	6	Guide, Bulk	69-60	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.	
	6	Guide, Bulk	69-60	VG-5075TB	Int.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	69-60	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	12	Valve Stem Seal	69-60	MV-1233C	O-Ring; Rubber	
	12	Valve Stem Seal Bulk	69-60	MV-1233	O-Ring; Carton of 100; Rubber	
	12	Valve Stem Seal Bulk	69-60	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	69-60	245-1687-2N Std Only	Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth	
	6	Exh.	69-60	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth	
	6	Int.	69-60	245-2062-1 Std Only	2.0680" OD, 1.8125" ID, .2480" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	24	Keeper	69-60	VK-115	1 groove; Square cut key groove	
	24	Keeper	69-60	VK-115R	1 groove; Square cut key groove; Hardened	
	24	Keeper, Bulk	69-60	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Pin Bushing	69-60	2404Y20		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	69-60	5659KX	3-3/32, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	69-60	4067MA Std-10	A-Series aluminum bearings ; Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	

(continued on next page)

GMC Truck (Includes Minivans)

37 5.0L 305 OHV V6 (GMC), 4.25" Bore 1969-60

(cont.) L/D Truck 305, 305C, 305E Engs.

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	(cont.) Rod Pair	69-60	2400P Std-10-20-30	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
	1	Cam Set	69-60	1198M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	69-60	224-41154	3/8" dia. mounting holes; Governor spinner not incl., Re-use original if req'd.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-60	381-8019		

38 5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68

L/D Truck VIN Codes "A" 1970, "B" 1970, "E" 1968-69, "F" 1972-73, "H" 1971, "P" 1971, "U" 1969, "X" 1973

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	73-68	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
	1	Timing Set w/Gaskets	73-68	CTS-1100R		
	1	Timing Chain	73-68	222-499	Use w/.405" tooth width sprocket; 46 Links	
	1	Crank Sprocket	73-68	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
	1	Cam Sprocket	73-68	223-390	.405" tooth width sprocket; 36 Teeth	
	1	Cam Sprocket	73-68	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	73-68	CS-274	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	73-68	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	73-68	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees	
	16	Lifter	73-68	HT-817 Std Only	Hyd.	
	16	Lifter, Bulk	73-68	HT-817B Std Only	Hyd.; Carton of 128	
	1	Prelube	73-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	73-68	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	73-68	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	73-68	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	73-68	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	73-68	KCT-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	73-68	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	73-68	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
	16	Push Rod	73-68	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
	16	Push Rod	73-68	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
	16	Push Rod	73-68	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
	16	Push Rod	73-68	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	73-68	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	16	Push Rod, Bulk	73-68	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
	16	Push Rod, Bulk	73-68	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68 **38**

L/D Truck VIN Codes "A" 1970, "B" 1970, "E" 1968-69, "F" 1972-73, "H" 1971, "P" 1971, "U" 1969, "X" 1973 (cont.)

QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	73-68	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	73-68	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm	73-68	R-826A	
16	Pivot Ball	73-68	MR-1783	
16	Pivot Ball	73-68	MR-1822	H/D 4 groove ball
16	Nut	73-68	MR-1751	Self-locking, 3/8" x 24 threads
16	Stud	73-68	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud	73-68	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	73-72	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	73-72	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	71	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	71	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	71	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust	70-68	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust	70-68	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	73-72	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	71	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	71	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	70-68	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake	73	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	73	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	72	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	71	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	71	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	70-68	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	73	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	73	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	72	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	71	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	71	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	70-68	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	73	VS-727	Exh.; Incl. damper; 1.9100" Free Height
8	Spring	73	VS-677	Int.; Incl. damper; 2.0300" Free Height
16	Spring	72-68	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
16	Spring	72-68	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
8	Spring, Bulk	73	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
8	Spring, Bulk	73	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	72-68	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	72-68	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	73-68	MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	73-68	ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	73-68	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	73-68	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	73-68	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

GMC Truck (Includes Minivans)

38 5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68

(cont.) L/D Truck VIN Codes "A" 1970, "B" 1970, "E" 1968-69, "F" 1972-73, "H" 1971, "P" 1971, "U" 1969, "X" 1973

QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Int.	73	245-2125-1 Std Only	Use w/V-1926; 2.1305" OD, 1.8125" ID, .2480" Depth
8	Exh.	73-68	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth
8	Exh.	73-68	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth
8	Int.	73-68	245-1812-3 Std Only	Use w/V-1200 & V-1927; 1.8175" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	73-68	VK-115	1 groove; Square cut key groove
32	Keeper	73-68	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	73-68	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	73-68	259-201B	.030"; Carton of 100
16	Spring Insert	73-68	259-201A	.060"; Carton of 100
16	Spring Insert	73-68	259-201ARS	.060"; Carton of 500
8	Rotocap	73	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	73-68	295P * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston	73-68	295AP + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 295P
8	Cast Piston - Individual	73-68	W295P * Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual	73-68	W295AP + Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W295P
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	73-68	E-245K Std-20-30-40-60	2-5/64", 1-3/16
1	Standard Set	73-68	E-245X Std-20-30-40-60-80	2-5/64", 1-3/16
8	Premium Single Cylinder Set	73-68	WE-245K Std-30-40-60	2-5/64", 1-3/16
8	Standard Single Cylinder Set	73-68	WE-245X Std-20-30-40-60-80	2-5/64", 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	73-68	4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
1	Main Set	73-68	6688M10 10-20-30	A-Series aluminum bearings
1	Main Set	73-68	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Main Set	73-68	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
1	Rod Set	73-68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set	73-68	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
1	Rod Set	73-68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
1	Rod Set	73-68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
1	Rod Set	73-68	8-2555CA60 60	Unplated & resizeable
8	Rod Pair	73-68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
8	Rod Pair	73-68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
8	Rod Pair	73-68	2555CA60 60	Unplated & resizeable
1	Cam Set	73-68	1235M Std-1-10	Babbitt material; Full round design
1	Cam Set	73-68	1749M Std Only	Bi-Metal Aluminum
1	Cam Set	73-68	1750M Std Only	2.030" housing bore
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	73-68	224-4146A	High Pressure; 5/8" inlet
1	Oil Pump	73-68	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
1	Oil Pump	73-68	224-4146	5/8" inlet
1	Inter. Shaft	73-72	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	73-72	224-6146	Use w/nylon shaft guide
1	Inter. Shaft	71	224-6146E	Exc. Sprint; Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	71	224-6146	Exc. Sprint; Use w/nylon shaft guide
1	Inter. Shaft	71	224-6154A	Sprint; Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide
1	Inter. Shaft	70-68	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	70-68	224-6146	Use w/nylon shaft guide
1	Oil Pump Shaft Guide	73-68	224-43343	Nylon
1	Screen Assy.	73-71	224-1146	Exc. Sprint & G Series; 5/8" inlet
1	Screen Assy.	73-71	224-1246	Exc. Sprint & G Series; 5/8" inlet tube
1	Screen Assy.	70-68	224-1146	5/8" inlet
1	Tool	73-68	MT-J21882	Pump screen installation tool for 5/8" tube

(continued on next page)

GMC Truck (Includes Minivans)

5.0L 307 OHV V8 (Chevrolet), 3.875" Bore 1973-68 38						
L/D Truck VIN Codes "A" 1970, "B" 1970, "E" 1968-69, "F" 1972-73, "H" 1971, "P" 1971, "U" 1969, "X" 1973 (cont.)						
KITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	73-68	260-1000		
	2	Head Bolt Set	73-68	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	73-68	381-8007		
	1	Steel Block Plug Kit	73-68	381-4011		
KITS	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	73-68	Incl. A-Series aluminum bearings		Re-ring	205-6283	205-1283
				Re-ring w/Mains	205-6283M	205-1283M
KITS	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	73-68	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains	505-620A	505-120A
	73-68	Incl. A-Series aluminum bearings; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master Master w/o Pistons	MKP-620B MK-620B	MKP-120B MK-120B
5.2L 316 OHV V8 (Pontiac), 3.9375" Bore 1956-55 39						
L/D Truck						
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	56	CS-187		
	16	Lifter	56	HT-951	Std Only	Hyd.
	16	Lifter, Bulk	56	HT-951B	Std Only	Hyd.; Carton of 128
	1	Prelube	56	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	56	KC-187		Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	56	RP-3229R		Chrome-Moly; 9.1300" O.A.L.
	16	Push Rod	56	RP-3028		9.1360" O.A.L.
	16	Push Rod, Bulk	56	BRP-3028		Carton of 100; 9.1360" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	56	VS-445		Inner; 1.8120" Free Height
	16	Spring	56	VS-446		Outer; 1.9800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	56	MV-1233C		O-Ring; Rubber
16	Valve Stem Seal Bulk	56	MV-1233		O-Ring; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	56	VK-115		1 groove; Square cut key groove	
32	Keeper	56	VK-115R		1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	56	VK-115B		1 groove; Square cut key groove; Carton of 1000	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Standard Set	56	E-252X	Std-30	2-5/64, 1-3/16	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Inter. Shaft	56-55	224-61236			
5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 40						
L/D Truck VIN Code "E" 1968						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	69-67	KT3-499S		w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	3 Piece Set	66-65	KT3-489S		Incl. (1) 222-489, (1) 223-261, (1) 223-262
	1	Timing Set w/Gaskets	68-62	CTS-1100R		
	1	Timing Chain	69-67	222-499		Use w/.405" tooth width sprocket; 46 Links
	1	Timing Chain	66-65	222-489		46 Links
	1	Crank Sprocket	69-67	223-391		Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Crank Sprocket	66-65	223-262		18 Teeth
	1	Cam Sprocket	69-67	223-390		.405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	69-67	223-390N		Nylon; .405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket	66-65	223-261		36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	68-62	CS-274		Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500
	1	Performance Cam	68-62	CS-1103R		Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees

(continued on next page)

GMC Truck (Includes Minivans)

40 5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62

(cont.) L/D Truck VIN Code "E" 1968

QTY	CAMSHAFT/LIFTER				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Performance Cam	68-62	CS-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	68-62	CS-1106R		Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
16	Lifter	68-62	HT-817 Std Only		Hyd.
16	Lifter, Bulk	68-62	HT-817B Std Only		Hyd.; Carton of 128
1	Prelube	68-62	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT				DESCRIPTION
		YEARS	PART NO.		
1	Cam/Lifter Kit	68-62	KC-1103R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-62	KC-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-62	KC-1106R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	68-62	KC-274		Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	68-67	KCT-274		Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	68-62	KCT-1014R		Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	66-65	KCT-274A		Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B
QTY	PUSH ROD				DESCRIPTION
		YEARS	PART NO.		
16	Push Rod	68-62	RP-3212R		Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	68-62	RP-3212R100		Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	68-62	RP-3212R150		Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	68-62	RP-3212R200		Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	68-62	RP-3093		7.7940" O.A.L.
16	Push Rod, Bulk	68-62	BRP-3093		Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	68-62	BRP-3212R		Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	68-62	BRP-3212R100		Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS				DESCRIPTION
		YEARS	PART NO.		
16	Arm Assy.	68-62	R-826		Incl. arm, ball & nut
16	Arm Assy., Bulk	68-62	R-826B		Incl. arm, ball & nut; Carton of 64
16	Arm	68-62	R-826A		
16	Pivot Ball	68-62	MR-1783		
16	Pivot Ball	68-62	MR-1822		H/D 4 groove ball
16	Nut	68-62	MR-1751		Self-locking, 3/8" x 24 threads
16	Stud	68-62	MR-1752		.003" O/S, 3/8" x 24 x 2.495"
16	Stud	68-62	MR-1949		3/8" x 24 x 2.495"
QTY	VALVE				DESCRIPTION
		YEARS	PART NO.		
8	Exhaust	68-62	V-1888X Std-15		Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Intake	68-62	V-1200 Std-3-15-30		1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	68-62	V-1200B Std Only		Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE SPRING				DESCRIPTION
		YEARS	PART NO.		
16	Spring	68-67	VS-677		Incl. damper; 2.0300" Free Height
16	Spring	68-67	VS-739R		Optional-H/D; 2.0000" Free Height
16	Spring	66-62	VS-521		Incl. damper; 2.1090" Free Height
16	Spring, Bulk	68-67	VS-677B		Incl. damper; Carton of 250; 2.0300" Free Height
16	Spring, Bulk	68-67	VS-739RB		Optional-H/D; Carton of 300; 2.0000" Free Height
QTY	VALVE SEAL				DESCRIPTION
		YEARS	PART NO.		
16	Valve Stem Seal	68-62	MV-1903		Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal	68-62	ST-2001		Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	68-62	MV-1233C		O-Ring; Rubber
16	Valve Stem Seal Bulk	68-62	MV-1233		O-Ring; Carton of 100; Rubber

(continued on next page)

GMC Truck (Includes Minivans)

5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 40 L/D Truck VIN Code "E" 1968 (cont.)						
VALVE TRAIN	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	16	Valve Stem Seal Bulk	68-62	ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	68-62	245-1562-2N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2480" Depth	
	8	Exh.	68-62	245-1562-2 Std Only	1.5675" OD, 1.3125" ID, .2480" Depth	
	8	Int.	68-62	245-1812-3 Std Only	1.8175" OD, 1.5000" ID, .2160" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	68-62	VK-115	1 groove; Square cut key groove	
	32	Keeper	68-62	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	68-62	VK-115B	1 groove; Square cut key groove; Carton of 1000	
BLOCK	16	Spring Insert	68-62	259-203C	.015"; Carton of 100	BLOCK
	16	Spring Insert	68-62	259-203B	.030"; Carton of 100	
	16	Spring Insert	68-62	259-203BRS	.030"; Carton of 500	
	16	Spring Insert	68-62	259-203A	.060"; Carton of 100	
	16	Spring Insert	68-62	259-203ARS	.060"; Carton of 500	
	8	Rotocap	66-62	RC-157S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	68-62	H951P30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Recessed Head .065" deep x 3.200" dia. w/2 valve reliefs	
	8	Cast Piston - Individual	68-62	WH951P30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Recessed Head .065" deep x 3.200" dia. w/2 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	68-62	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set	68-62	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	68-62	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	68-62	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	68-62	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	68-62	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	68	4663M Std-1-2-10-20-30-40-60		
	1	Main Set	68	6688M10 10-20-30	.020" O/S length flange brg.	
	1	Main Set	68	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	1	Main Set	68	7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.	
	1	Main Set	67-63	994M Std-1-10-20-30-40		
	1	Rod Set	68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set	68	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set	68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
	1	Rod Set	68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
	1	Rod Set	67-63	8-2020CP Std-1-10-20-30-40		
	1	Rod Set	69-68	8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair	68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair	68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair	67-63	2020CP Std-1-2-10-20-30-40-50		
	8	Rod Pair	69-68	2555CA60 60	Unplated & resizeable	
	1	Cam Set	67-63	1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set	67-63	1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set	67-63	1750M Std Only	2.030" housing bore	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	68-62	224-4146A	High Pressure; 5/8" inlet	
	1	Oil Pump	68-62	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	68-62	224-4146	5/8" inlet	
	1	Inter. Shaft	68-62	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	68-62	224-6146	Use w/nylon shaft guide	
	1	Screen Assy.	68-62	224-1146	5/8" inlet	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	69-62	260-1000		
	2	Head Bolt Set	69-62	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	69-62	381-8007		

(continued on next page)

GMC Truck (Includes Minivans)

40 5.3L 327 OHV V8 (Chevrolet), 4" Bore 1969-62 (cont.) L/D Truck VIN Code "E" 1968							
K I T S	QTY	FREEZE PLUGS (cont.)	YEARS	PART NO.	DESCRIPTION		
	1	Steel Block Plug Kit	69-62	381-4011			
	RE-RING KIT				PREMIUM	ECONOMY	
	YEARS	DESCRIPTION			KIT NO.	KIT NO.	
	68	Incl. A-Series aluminum bearings		Re-ring	205-630	205-130	
				Re-ring w/Mains	205-630M	205-130M	
	67-63			Re-ring	205-662	205-162	
				Re-ring w/Mains	205-662M	205-162M	
	OVERHAUL KIT				PREMIUM	ECONOMY	
	YEARS	DESCRIPTION			KIT NO.	KIT NO.	
67	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains	505-630E	505-130E		
67	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master	MKP-662J	MKP-162J		
			Master w/o Pistons	MK-662J	MK-162J		
66-65	Incl. 5/8" inlet oil pump		Master w/o Pistons	MK-662C	MK-162C		
41 5.5L 336.9 OHV V8 (Pontiac), 3.875" Bore 1959 L/D Truck							
B L O C K	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	16	Lifter	59	HT-951	Std Only	Hyd.	
	16	Lifter, Bulk	59	HT-951B	Std Only	Hyd.; Carton of 128	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	8	Guide	59	VG-5037	Exh.; .3420" ID, 2.7500" O.A.L.		
	8	Guide	59	VG-5072	Exh.; Cut to fit; .3440" ID, 2.8750" O.A.L.		
	8	Guide	59	VG-5075T	Exh.; Threaded; .3440" ID, 2.8750" O.A.L.		
	8	Guide	59	VG-5034	Int.; Cut to fit; .3430" ID, 2.5000" O.A.L.		
	8	Guide, Bulk	59	VG-5072B	Exh.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.		
	8	Guide, Bulk	59	VG-5075TB	Exh.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.		
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	8	Pin Bushing	59	1559VA	1.037" OD		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Rod Set	59	8-1555CPA	Std-10-20-30-40		
	8	Rod Pair	59	1555CPA	Std-1-10-20-30-40		
	1	Cam Set	59	1146M	Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Inter. Shaft	59	224-61236			
	42 5.7L 347 OHV V8 (Pontiac), 3.9375" Bore 1957 L/D Truck						
	V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1		Camshaft	57	CS-187			
16		Lifter	57	HT-951	Std Only	Hyd.	
16		Lifter, Bulk	57	HT-951B	Std Only	Hyd.; Carton of 128	
1		Prelube	57	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY		CAM KIT	YEARS	PART NO.	DESCRIPTION		
1		Cam/Lifter Kit	57	KC-187	Hyd.; Incl. (1) CS-187, (16) HT-951, (1) 55-403B		
QTY		VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
8		Guide	57	VG-5034	Exh.; Cut to fit; .3430" ID, 2.5000" O.A.L.		
8		Guide	57	VG-5037	Int.; .3420" ID, 2.7500" O.A.L.		
8	Guide	57	VG-5072	Int.; Cut to fit; .3440" ID, 2.8750" O.A.L.			
8	Guide	57	VG-5075T	Int.; Threaded; .3440" ID, 2.8750" O.A.L.			
8	Guide, Bulk	57	VG-5072B	Int.; Cut to fit; Carton of 100; .3440" ID, 2.8750" O.A.L.			
8	Guide, Bulk	57	VG-5075TB	Int.; Threaded; Carton of 100; .3440" ID, 2.8750" O.A.L.			
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	16	Spring	57	VS-445	Inner; 1.8120" Free Height		
	16	Spring	57	VS-446	Outer; 1.9800" Free Height		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
	16	Valve Stem Seal	57	ST-2003	Positive type; Installation requires valve guide machining; Rubber		
	16	Valve Stem Seal	57	ST-2092	Positive type; Rubber		
	16	Valve Stem Seal	57	MV-1233C	O-Ring; Rubber		
	16	Valve Stem Seal Bulk	57	MV-1233	O-Ring; Carton of 100; Rubber		
	16	Valve Stem Seal Bulk	57	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	57	VK-115	1 groove; Square cut key groove			
32	Keeper	57	VK-115R	1 groove; Square cut key groove; Hardened			

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 347 OHV V8 (Pontiac), 3.9375" Bore 1957 42 L/D Truck (cont.)				
QTY 32	VALVE, MISC (cont.) Keeper, Bulk	YEARS 57	PART NO. VK-115B	DESCRIPTION 1 groove; Square cut key groove; Carton of 1000
QTY 1	RINGS Standard Set	YEARS 57	PART NO. E-252X Std-30	DESCRIPTION 2-5/64, 1-3/16
QTY 1	OIL PUMP Inter. Shaft	YEARS 57	PART NO. 224-61236	DESCRIPTION
5.7L 348 OHV V8 (Chevrolet), 4.125" Bore 1960-58 43 L/D Truck				
QTY 1	TIMING Timing Chain	YEARS 60-58	PART NO. 222-162	DESCRIPTION 64 Links
QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS 60-58	PART NO. CS-171	DESCRIPTION w/2 Bbl. Carb.; w/4 Bbl. Carb.; Use w/Hyd. lifters
16	Lifter	60-58	HT-817 Std Only	Hyd.
16	Lifter, Bulk	60-58	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	60-58	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY 8	PUSH ROD Push Rod	YEARS 60-58	PART NO. RP-3229R	DESCRIPTION Chrome-Moly; 9.1300" O.A.L.
8	Push Rod	60-58	RP-3028	Exh.; 9.1360" O.A.L.
8	Push Rod	60-58	RP-3102	Int.; 8.7780" O.A.L.
8	Push Rod, Bulk	60-58	BRP-3028	Exh.; Carton of 100; 9.1360" O.A.L.
8	Push Rod, Bulk	60-58	BRP-3102	Int.; Carton of 25; 8.7780" O.A.L.
QTY 16	ROCKER PARTS Arm Assy.	YEARS 60-58	PART NO. R-827	DESCRIPTION Incl. arm, ball & nut
16	Pivot Ball	60-58	MR-1780	
16	Nut	60-58	MR-1751	Self-locking, 3/8" x 24 threads
16	Stud	60-58	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud	60-58	MR-1949	3/8" x 24 x 2.495"
QTY 8	VALVE GUIDE Guide	YEARS 58	PART NO. VG-5033	DESCRIPTION Exh.; .3735" ID, 2.6200" O.A.L.
8	Guide	58	VG-5062	Int.; Plain; .3735" ID, 2.3800" O.A.L.
QTY 16	VALVE SPRING Spring	YEARS 60-58	PART NO. VS-522	DESCRIPTION Incl. damper; 2.0000" Free Height
QTY 16	VALVE SEAL Valve Stem Seal	YEARS 60-58	PART NO. ST-2002	DESCRIPTION Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	60-58	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY 32	VALVE, MISC Keeper	YEARS 60-58	PART NO. VK-138	DESCRIPTION 1 groove; Square cut key groove
32	Keeper	60-58	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	60-58	VK-138B	1 groove; Square cut key groove; Carton of 1000
QTY 1	RINGS Premium Set	YEARS 60-58	PART NO. E-243K Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
1	Standard Set	60-58	E-243X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	60-58	WE-243K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	60-58	WE-243X Std-20-30-40-60	2-5/64, 1-3/16
QTY 1	ENGINE BEARINGS Main Set	YEARS 60-58	PART NO. 4036M Std-10-20	DESCRIPTION
1	Rod Set	60-58	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
8	Rod Pair	60-58	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Cam Set	60-58	1177M Std Only	
QTY 1	OIL PUMP Oil Pump	YEARS 60-58	PART NO. 224-4146A	DESCRIPTION High Pressure; 5/8" inlet
1	Oil Pump	60-58	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
1	Oil Pump	60-58	224-4146	5/8" inlet
1	Inter. Shaft	60-58	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	60-58	224-6146	Use w/nylon shaft guide
1	Oil Pump Shaft Guide	60-58	224-43343	Nylon
1	Screen Assy.	60-58	224-1146	5/8" inlet
1	Tool	60-58	MT-J21882	Pump screen installation tool for 5/8" tube

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90	KT3-499SA	VIN Code "K"; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-505
1	3 Piece Set	90-87	KT3-4SR46	VIN Code "K"; Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) 222-4SR46, (1) 223-634, (1) 223-645
1	3 Piece Set	90-85	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	90-85	KT3-163S	Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
1	3 Piece Set	86-85	KT3-4SR46	Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) 222-4SR46, (1) 223-634, (1) 223-645
1	3 Piece Set	84-69	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	3 Piece Set	84-69	KT3-163S	Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
1	Timing Set w/Gaskets	90-86	CTS-1000	Oil pan gskt. not incl.; w/.405" tooth width sprocket
1	Timing Set w/Gaskets	90-86	CTS-1003	Oil pan gskt. not incl.; Incl. double rlr. type chain
1	Timing Set w/Gaskets	90-69	CTS-1100R	
1	Timing Set w/Gaskets	85-75	CTS-1000	w/.405" tooth width sprocket
1	Timing Set w/Gaskets	85-75	CTS-1003	Incl. double rlr. type chain
1	Timing Set w/Gaskets	74-69	CTS-1001	w/.405" tooth width sprocket
1	Timing Set w/Gaskets	74-69	CTS-1002	Incl. double rlr. type chain
1	Timing Chain	90	222-180	VIN Code "K"; 48 Links
1	Timing Chain	90-85	222-4SR46	Use w/.280" tooth width sprocket; 46 Links
1	Timing Chain	90-80	222-163	Double rlr.; 58 Links
1	Timing Chain	90-80	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Timing Chain	79-78	222-359	Caballero; 54 Links
1	Timing Chain	79-78	222-163	Double rlr.; 58 Links
1	Timing Chain	79-78	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Timing Chain	77-69	222-163	Double rlr.; 58 Links
1	Timing Chain	77-69	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	90	223-505	VIN Code "K"; Steel; .405" tooth width sprocket; 18 Teeth
1	Crank Sprocket	90-85	223-645	.280" tooth width sprocket; 18 Teeth
1	Crank Sprocket	90-69	223-289	Double row; 22 Teeth
1	Crank Sprocket	90-69	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	90-87	223-634	VIN Code "K"; Single row; .280" tooth width sprocket; 36 Teeth
1	Cam Sprocket	90-85	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	90-85	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	90-69	223-288	Double row; 44 Teeth
1	Cam Sprocket	86-85	223-634	Single row; .280" tooth width sprocket; 36 Teeth
1	Cam Sprocket	84-69	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	84-69	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-75	CS-274	Exc. Calif. Emis.
1	Camshaft	74	CS-274	Exc. Calif. Emis.
1	Camshaft	73	CS-274	Exc. Calif. Emis.
1	Camshaft	72-69	CS-274	Exc. Calif. Emis.
1	Performance Cam	80-69	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-69	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-69	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
16	Lifter	90-69	HT-817 Std Only	Hyd.
16	Lifter	90-69	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter, Bulk	90-69	HT-817B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	90-69	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	90-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-80	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-69	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050: 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 44

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	80-69	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-69	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	79-75	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	74	KC-274	Exc. Calif. Emis.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	73	KC-274	Exc. Calif. Emis.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	72-69	KC-274	Exc. Calif. Emis.; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-87	KCT-274D	VIN Code "K"; Hyd.; Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-4SR46, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-85	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-85	KCT-274C	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
1	Cam/Lifter/Timing Kit	86-85	KCT-274D	Hyd.; Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-4SR46, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-80	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	84-80	KCT-274C	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
1	Cam/Lifter/Timing Kit	80-69	KCT-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-75	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-75	KCT-274C	Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74	KCT-274	Exc. Calif. Emis.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	74	KCT-274C	Exc. Calif. Emis.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
1	Cam/Lifter/Timing Kit	73	KCT-274	Exc. Calif. Emis.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	73	KCT-274C	Exc. Calif. Emis.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
1	Cam/Lifter/Timing Kit	72-69	KCT-274	Exc. Calif. Emis.; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
1	Cam/Lifter/Timing Kit	72-69	KCT-274C	Exc. Calif. Emis.; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-69	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	90-69	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	90-69	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	90-69	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	90-69	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	90-69	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	90-69	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	90-69	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
8	Push Rod Guide Plate	90-69	MR-1930	Speed-Pro flat guide plate for 3/8" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-69	MR-1896	Speed-Pro flat guide plate for 5/16" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-69	MR-1892	Speed-Pro stepped guide plate for 3/8" dia. push rods; Requires screw-in studs
8	Push Rod Guide Plate	90-69	MR-1891	Speed-Pro stepped guide plate for 5/16" dia. push rods; Requires screw-in studs
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	90-85	R-973	Incl. arm, ball & nut
16	Arm Assy.	84-69	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	90-85	R-973B	Incl. arm, ball & nut; Carton of 64
16	Arm Assy., Bulk	84-69	R-826B	Incl. arm, ball & nut; Carton of 64

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Arm	90-85	R-973A	
	16	Arm	84-69	R-826A	
	16	Pivot Ball	90-69	MR-1783	
	16	Pivot Ball	90-69	MR-1822	H/D 4 groove ball
	16	Nut	90-69	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	90-69	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	90-69	MR-1865RS	Speed-Pro 3/8" dia. Perf. screw-in stud; requires head machining
	16	Stud	90-69	MR-1949	3/8" x 24 x 2.495"
	16	Stud	90-69	MR-1949	3/8" x 24 x 2.495"
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-89	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	90-89	V-1888X Std-15	VIN Code "K"; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	90-89	V-1904 Std-3-15-30	VIN Code "K"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	90-89	V-1988X Std-3-15	VIN Code "K"; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	88-87	V-1904 Std-3-15-30	VIN Code "K"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	88-87	V-1988X Std-3-15	VIN Code "K"; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	88-87	V-2449X Std Only	VIN Code "M"; Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	86	V-1904 Std-3-15-30	VIN Code "L"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	86	V-2449X Std Only	VIN Codes "K" & "M"; Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	85	V-2449X Std Only	VIN Code "K"; w/H5D Emis.; w/Stainless steel exh. manifold; Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	85	V-1988X Std-3-15	VIN Code "K"; Exc. w/H5D Emis.; w/Stainless steel exh. manifold; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	85	V-1904 Std-3-15-30	VIN Code "L"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	85	V-1988X Std-3-15	VIN Code "L"; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	85	V-2449X Std Only	VIN Code "M"; From 1/1/85; 2nd design; Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	85	V-1988X Std-3-15	VIN Code "M"; To 12/31/84; 1st design; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	84	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	83-81	V-1904 Std-3-15-30	VIN Code "L"; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	83-81	V-1988X Std-3-15	VIN Code "L"; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	80-75	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	80-75	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	80-75	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	74-69	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	74-69	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust	74-69	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	90-89	V-1904B Std-15	VIN Code "K"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk	90-89	V-1888XB15 15	VIN Code "K"; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3562" Stem Dia., 4.9230" O.A.L.
	8	Exhaust, Bulk	90-89	V-1988XB Std-15	VIN Code "K"; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust, Bulk	88-87	V-1904B Std-15	VIN Code "K"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	88-87	V-1988XB Std-15	VIN Code "K"; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	86	V-1904B Std-15	VIN Code "L"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	85	V-1988XB Std-15	VIN Code "K"; Exc. w/H5D Emis.; w/Stainless steel exh. manifold; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	85	V-1904B Std-15	VIN Code "L"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	85	V-1988XB Std-15	VIN Code "L"; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	85	V-1988XB Std-15	VIN Code "M"; To 12/31/84; 1st design; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	84	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	83-81	V-1904B Std-15	VIN Code "L"; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	83-81	V-1988XB Std-15	VIN Code "L"; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	80-75	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	80-75	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	74-69	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	74-69	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Intake	90-89	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	88-87	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	86-81	V-1927 Std-15	Exc. VIN Code "L"; Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	86-81	V-1926 Std-3-15	VIN Code "L"; Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	80-75	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	80-75	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	74-73	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	74-73	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
8	Intake	74-73	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	72-71	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	72-71	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
8	Intake	72-71	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	70	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
8	Intake	70	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	69	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	69	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	90-89	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	88-87	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	86-81	V-1927B Std-15	Exc. VIN Code "L"; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.

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GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

VALVE TRAIN	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Intake, Bulk	86-81	V-1926B Std-15	VIN Code "L"; Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	80-75	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	80-75	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	74-73	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	74-73	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	72-71	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk	72-71	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	70	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk	69	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-85	VG-1375	Exh.; Use w/replaceable exh. valve guide; Caution when removing guide w/stepped OD; .3740" ID, 2.2000" O.A.L.
	8	Guide	90-69	VG-5046	Exh.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide	90-69	VG-5038B	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk	90-69	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	90-81	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	16	Spring	90-81	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
	16	Spring	80-78	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	16	Spring	80-78	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
VALVE TRAIN	8	Spring	77-73	VS-727	Exh.; Incl. damper; 1.9100" Free Height
	8	Spring	77-73	VS-677	Int.; Incl. damper; 2.0300" Free Height
	16	Spring	72-69	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	16	Spring	72-69	VS-739R	Exh. & Int.; Optional-H/D; 2.0000" Free Height
	16	Spring, Bulk	90-81	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	90-81	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
	16	Spring, Bulk	80-78	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	80-78	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
	8	Spring, Bulk	77-73	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
	8	Spring, Bulk	77-73	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
VALVE TRAIN	16	Spring, Bulk	72-69	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	72-69	VS-739RB	Exh. & Int.; Optional-H/D; Carton of 300; 2.0000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	84-69	MV-1903	Exh. & Int.; Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal	84-69	ST-2001	Exh. & Int.; W/.343" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	84-69	ST-2004	Exh. & Int.; W/.375" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal	90-85	MV-1888C	Int.; O.E. design; Positive type; Viton®
	16	Valve Stem Seal	90-69	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal	90-69	MV-1598C	Umbrella type; Rubber
	8	Valve Stem Seal Bulk	90-85	MV-1888	Int.; O.E. design; Positive type; Carton of 50; Viton®
VALVE TRAIN	16	Valve Stem Seal Bulk	90-69	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	90-69	MV-1598	Umbrella type; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	84-69	ST-2004BC	Exh. & Int.; w/.375" stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	16	Valve Stem Seal Bulk	84-69	ST-2001BC	Exh. & Int.; w/11/32" valve stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Int.	90-70	245-2125-1 Std Only	Use w/V-1926; 2.1305" OD, 1.8125" ID, .2480" Depth
	8	Exh.	90-69	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.	90-69	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-69	VK-115	1 groove; Square cut key groove
32	Keeper	90-69	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	90-69	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	90-69	259-203C	.015"; Carton of 100
16	Spring Insert	90-69	259-203B	.030"; Carton of 100
16	Spring Insert	90-69	259-203BRS	.030"; Carton of 500
16	Spring Insert	90-69	259-203A	.060"; Carton of 100
16	Spring Insert	90-69	259-203ARS	.060"; Carton of 500
8	Rotocap	90-73	RC-157S	

QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-87	423NP Std-20-30-40-60-80	VIN Code "K"; Use w/E-251K, E-251KC or E-251X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	86-84	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	86-84	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	86-84	423NP Std-20-30-40-60-80	VIN Codes "K" & "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	85-80	H618CP Std-20-30-40-60	Hypereutectic; For use in RV & Perf. Appl.; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston	83-77	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	83-77	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	83-77	423NP Std-20-30-40-60-80	VIN Code "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	76-73	423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	76-73	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	76-73	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	72-71	423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston	72-71	H423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston	72-71	H423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston	70-69	345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Cast Piston - Individual	90-87	W423NP Std-20-30-40-60-80	VIN Code "K"; Use w/WE-251K, WE-251KC or WE-251X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.

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GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
8	Cast Piston - Individual	86-84	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	86-84	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	86-84	W423NP Std-20-30-40-60-80	VIN Codes "K" & "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	85-80	WH618CP Std-20-30-40-60	Hypereutectic; For use in RV & Perf. Appl.; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
8	Cast Piston - Individual	83-77	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	83-77	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	83-77	W423NP Std-20-30-40-60-80	VIN Code "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	76-73	W423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	76-73	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	76-73	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	72-71	W423NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
8	Cast Piston - Individual	72-71	WH423NCP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston - Individual	72-71	WH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
8	Cast Piston - Individual	70-69	W345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
1	Cast Piston Set w/Prem. Rings	86-84	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	86-71	8KH423NCP30 30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	85-80	8KH618CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.
1	Cast Piston Set w/Prem. Rings	83-77	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	79-69	8KH618CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .125" high w/2 valve reliefs. DurOshield® skirt coated piston.

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 44

(cont.)

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cast Piston Set w/Prem. Rings	76-73	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Prem. Rings	72-71	8KH423NP Std-20-30-40-60	Perf. or reg. duty operation; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
1	Cast Piston Set w/Econ. Rings	90-87	8X423NP20 20-30-40-60	VIN Code "K"; Use w/E-251K, E-251KC or E-251X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	86-84	8X423NP20 20-30-40-60	VIN Codes "K" & "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	83-77	8X423NP20 20-30-40-60	VIN Code "L"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	76-73	8X423NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	72-71	8X423NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
1	Cast Piston Set w/Econ. Rings	70-69	8X345NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
8	Powerforged	90-89	L-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/E-251K, E-251KC or E-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	88	L-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/E-251K, E-251KC or E-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	87	L-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/E-251K, E-251KC or E-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	86-85	L-2403NF Std-20-30-40-60	VIN Codes "K", "L" & "M"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	85-80	L-2304F Std-30-60	For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
8	Powerforged	85-80	L-2256F Std-20-30-40-60	For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Powerforged	84-77	L-2403NF Std-20-30-40-60	VIN Code "L"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	76-73	L-2403NF Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	72-71	L-2403NF Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Powerforged	70-69	L-2256F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual	90-89	WL-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/WE-251K, WE-251KC or WE-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	88	WL-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/WE-251K, WE-251KC or WE-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
8	Forged Piston - Individual	87	WL-2403NF Std-20-30-40-60	VIN Code "K"; w/o H/D Emis.; Use w/WE-251K, WE-251KC or WE-251X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Forged Piston - Individual	86-85	WL-2403NF Std-20-30-40-60	VIN Codes "K", "L" & "M"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	85-80	WL-2304F Std-30-60	For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Domed Head .100" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	85-80	WL-2256F Std-20-30-40-60	For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	84-77	WL-2403NF Std-20-30-40-60	VIN Code "L"; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	76-73	WL-2403NF Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	72-71	WL-2403NF Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	70-69	WL-2256F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	85-80	8KL2256F30 30-40-60	For use in RV Appl.; For use in Perf. Appl.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings	79-71	8KL2256F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
B L O C K	1	Forged Piston Set w/Rings	70-69	8KL2256F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Pin	90-69	P-2208 Std-3-5-0015	Use w/L-2256F or L-2403NF piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-87	E-377K Std-20-30-40	.165" shallow oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-87	E-251K Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	90-87	E-251KC Std-10-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Premium Set	86-69	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	86-69	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	86-69	R-9903 Std-20-30-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-87	E-377X Std-30-40	.165" shallow oil ring groove; 2-5/64, 1-3/16
B L O C K	1	Standard Set	90-87	E-251X Std-10-20-30-40-60-80	.200" deep oil ring groove; 2-5/64, 1-3/16
	1	Standard Set	86-69	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-377K Std-20-30	.165" shallow oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-251K Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-87	WE-251KC Std-20-30-40-60	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	86-69	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	86-69	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-87	WE-377X Std-30	.165" shallow oil ring groove; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-87	WE-251X Std-20-30-40-60-80	.200" deep oil ring groove; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	86-69	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
B L O C K	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	90-69	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	90-69	SL-350M Std Only	3/32" wall, cut to length; Press fit sleeve
	8	Repair Sleeve	90-69	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-69	4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
	1	Main Set	90-69	6688M10 10-20-30	A-Series aluminum bearings
	1	Main Set	90-69	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings ; .010" O/S length flange brg.
	1	Main Set	90-69	7329MA10 10-20-30	A-Series aluminum bearings ; w/.020" O/S OD
	1	Main Set	90-69	7274MA10X20 10X20	A-Series aluminum bearings
B L O C K	1	Rod Set	90-69	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set	90-69	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
	1	Rod Set	90-69	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 44

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

QTY	ENGINE BEARINGS				DESCRIPTION
	(cont.)	YEARS	PART NO.		
1	Rod Set	90-69	8-2555CP	Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
1	Rod Set	90-69	8-2555CA60	60	Unplated & resizeable
8	Rod Pair	90-69	2555A	Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
8	Rod Pair	90-69	2555CP	Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
8	Rod Pair	90-69	2555CA60	60	Unplated & resizeable
1	Cam Set	90-69	1235M	Std-1-10	Babbitt material; Full round design
1	Cam Set	90-69	1749M	Std Only	Bi-Metal Aluminum
1	Cam Set	90-69	1811M	Std Only	Race Performance; "Big Block"; Split type design, 2.120" housing bore
1	Cam Set	90-69	1750M	Std Only	2.030" housing bore
QTY	OIL PUMP				DESCRIPTION
		YEARS	PART NO.		
1	Oil Pump	90	224-43469V		High Volume, check pan for clearance; 3/4" inlet; Use w/steel guide
1	Oil Pump	90-69	224-4143		High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide
1	Oil Pump	90-69	224-4146		5/8" inlet
1	Inter. Shaft	90-69	224-6146E		Has steel shaft guide; Eliminates nylon shaft guide
1	Inter. Shaft	90-69	224-6146		Use w/nylon shaft guide
1	Oil Pump Shaft Guide	90-69	224-43343		Nylon
1	Screen Assy.	90-89	224-1346		C20, C25, C30, C35, G30 & G35; w/5 qt. oil pan; 5/8" inlet tube
1	Screen Assy.	90-89	224-1246		Exc. C20, C25, C30, C35, G30, G35; w/5 qt. oil pan; 5/8" inlet tube
1	Screen Assy.	88-84	224-1246		5/8" inlet tube
1	Screen Assy.	83-80	224-1246		VIN Code "M"; 5/8" inlet tube
1	Screen Assy.	83-80	224-1346		VIN Code "P"; 5/8" inlet tube
1	Screen Assy.	79-73	224-1246		5/8" inlet tube
1	Screen Assy.	72-71	224-1146		Exc. G10, G15, G20, G25, G30 & G35; Exc. El Camino & Sprint; 5/8" inlet
1	Screen Assy.	72-71	224-1246		G Series, El Camino & Sprint; 5/8" inlet tube
1	Screen Assy.	70-69	224-1246		El Camino; 5/8" inlet tube
1	Screen Assy.	70-69	224-1146		Exc. El Camino; 5/8" inlet
QTY	GASKETS				DESCRIPTION
		YEARS	PART NO.		
1	Kit Gasket Set	90-87	260-1269		VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	90-87	260-1269		VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	88-87	260-1268		VIN Code "M"; C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.
1	Kit Gasket Set	88-87	260-1268		VIN Code "M"; Exc. C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
1	Kit Gasket Set	86	260-1268		C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.
1	Kit Gasket Set	86	260-1268		Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.
1	Kit Gasket Set	85-81	260-1045		C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.
1	Kit Gasket Set	85-81	260-1045		Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.
1	Kit Gasket Set	80	260-1045		
1	Kit Gasket Set	79-69	260-1000		
1	Head Bolt Set	90-69	260-2500		
QTY	FREEZE PLUGS				DESCRIPTION
		YEARS	PART NO.		
1	Brass Block Plug Kit	90-86	381-8059		
1	Brass Block Plug Kit	85-69	381-8007		
1	Steel Block Plug Kit	90-69	381-4011		

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-99

(cont.) **L/D Truck VIN Codes** "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

RE-RING KIT YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6038 205-6038M	205-1038 205-1038M
90-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6038 205-6038M	205-1038 205-1038M
90-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6156 205-6156M	205-1156 205-1156M
90-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6156 205-6156M	205-1156 205-1156M
88-87	VIN Code "M"; C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
88-87	VIN Code "M"; Exc. C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
88-87	VIN Code "M"; C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6153 205-6153M	205-1153 205-1153M
88-87	VIN Code "M"; Exc. C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6153 205-6153M	205-1153 205-1153M
86	C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
86	Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-6037 205-6037M	205-1037 205-1037M
85-81	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
85-81	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M
80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-658 205-658M	205-158 205-158M

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	79-69	Incl. A-Series aluminum bearings	Re-ring Re-ring w/Mains	205-630 205-630M	205-130 205-130M
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6038A	MK-1038A
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-6038A	----
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-6038A	MK-1038A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings	MKF-6038A	----
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-6038C	MK-1038C
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings	MKF-6038C	----
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-6038C	MK-1038C
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings	MKF-6038C	----
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Pistons	MK-6038D	MK-1038D

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MKF-6038D	ECONOMY KIT NO. -----
	YEARS	DESCRIPTION		
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket		
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket		
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket		
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		
K I T S	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Pistons	MK-6156C	MK-1156C
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master	MKP-6156C	MKP-1156C
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Rods & Mains	505-6156C	505-1156C
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Pistons	MK-6156C	MK-1156C
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master	MKP-6156C	MKP-1156C
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Rods & Mains	505-6156C	505-1156C
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-6156D	MK-1156D
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-6156D	MKP-1156D
	90-89	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Rods & Mains	505-6156D	505-1156D

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MK-6156D	ECONOMY KIT NO. MK-1156D	K I T S
	YEARS	DESCRIPTION			
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	90-89	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	90-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 423NP piston			
	90-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 423NP piston			
	90-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 423NP piston			
	90-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 423NP piston			
	88-87	VIN Code "M"; C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket			
	88-87	VIN Code "M"; Exc. C2500, C3500, K2500, K3500; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket			
	88-87	VIN Code "M"; C2500, C3500, K2500, K3500; PermaDry® molded rubber oil pan gskt. incl.; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	88-87	VIN Code "M"; Exc. C2500, C3500, K2500, K3500; Exh. Master w/o Pistons pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MK-6037C	MK-1037C	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6038A	MK-1038A	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKF-6038A	----	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6038A	MK-1038A	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKF-6038A	----	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MK-6038C	MK-1038C	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MKF-6038C	----	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MK-6038C	MK-1038C	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MKF-6038C	----	

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	MK-6038D	MK-1038D	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	MKF-6038D	----	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.200" deep oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	MK-6038D	MK-1038D	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. L2403NF piston; w/o H/D Emis.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	MKF-6038D	----	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6156A	MK-1156A	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6156A	505-1156A	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6156A	MK-1156A	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6156A	MKP-1156A	

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-6156A	505-1156A	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Pistons	MK-6156C	MK-1156C	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master	MKP-6156C	MKP-1156C	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Rods & Mains	505-6156C	505-1156C	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Pistons	MK-6156C	MK-1156C	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master	MKP-6156C	MKP-1156C	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. single rlr. type chain; w/.280" tooth width sprocket	Master w/o Rods & Mains	505-6156C	505-1156C	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-6156D	MK-1156D	
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-6156D	MKP-1156D	

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	88-87	VIN Code "K"; C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Exh. valve stem seals not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	505-6156D	505-1156D	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; w/.165" shallow oil ring groove; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MK-6156D	MK-1156D	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	MKP-6156D	MKP-1156D	
	88-87	VIN Code "K"; Exc. C20, G20, K20, C2500, G2500, K2500, C30, G30, K30, C3500, G3500, K3500; Exh. pipe packing not incl.; Incl. 423NP piston; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	505-6156D	505-1156D	
	86	C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6037A	MK-1037A	
	86	Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-6037A	MK-1037A	
	86	VIN Codes "K" & "L"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6037A	MKP-1037A	
	86	VIN Codes "K" & "L"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6037A	505-1037A	
	86	VIN Codes "K" & "L"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-6037A	MKP-1037A	
	86	VIN Codes "K" & "L"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-6037A	505-1037A	
	86	VIN Codes "K", "L" & "M"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. L2403NF Piston; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKF-6037A	----	
	86	VIN Codes "K", "L" & "M"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. L2403NF Piston; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKF-6037A	----	

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.)
1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V"
1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)		PREMIUM KIT NO. MK-6037C	ECONOMY KIT NO. MK-1037C	K I T S
	YEARS	DESCRIPTION			
	86	C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K" & "L"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K" & "L"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K" & "L"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K" & "L"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K", "L" & "M"; C20, C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; Exh. valve stem seals not incl.; PermaDry® molded rubber oil pan gskt. incl.; Incl. L2403NF Piston; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	86	VIN Codes "K", "L" & "M"; Exc. C25, C30, C35, G20, G25, G30, G35, K20, K25, K30, K35, P20, P25, P30, P35; PermaDry® molded rubber oil pan gskt. incl.; Incl. L2403NF Piston; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain			
	85	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-658A	MK-158A	
	85	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MK-658A	MK-158A	
	85	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-658A	MKP-158A	
	85	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	505-658A	505-158A	
	85	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	MKP-658A	MKP-158A	

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GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

YEARS	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
	DESCRIPTION			
85	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-658A	505-158A
85	VIN Codes "K", "L" & "M"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-658A	----
85	VIN Codes "K", "L" & "M"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-658A	----
85	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
85	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
85	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
85	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Rods & Mains	505-658C	505-158C
85	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
85	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Rods & Mains	505-658C	505-158C
85	VIN Codes "K", "L" & "M"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-658C	----
85	VIN Codes "K", "L" & "M"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings	MKF-658C	----
84	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A
84	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A
84	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-658A	----
84	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings	MKF-658A	----

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GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. MKP-658A	ECONOMY KIT NO. MKP-158A	
	YEARS	DESCRIPTION				
	84	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master			
	84	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-658A	505-158A	
	84	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A	
	84	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Rods & Mains	505-658A	505-158A	
	84	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C	
	84	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C	
	84	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings	MKF-658C	----	
	84	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings	MKF-658C	----	
K I T S	84	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C	
	84	VIN Codes "K" & "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Rods & Mains	505-658C	505-158C	
	84	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C	
	84	VIN Codes "K" & "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Rods & Mains	505-658C	505-158C	
	83	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A	
	83	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A	

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

YEARS	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
	DESCRIPTION			
83	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A
83	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658A 505-658A	----- 505-158A
83	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A
83	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658A 505-658A	----- 505-158A
83	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
83	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
83	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
83	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658C 505-658C	----- 505-158C
83	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
83	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658C 505-658C	----- 505-158C
82-81	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A
82-81	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A
82-81	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A
82-81	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658A 505-658A	----- 505-158A

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69 **44**

L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" (cont.) 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

YEARS	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.
	DESCRIPTION			
82-81	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A
82-81	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658A 505-658A	----- 505-158A
82-81	C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
82-81	Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
82-81	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
82-81	VIN Code "L"; C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Exh. valve stem seals not incl.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658C 505-658C	----- 505-158C
82-81	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
82-81	VIN Code "L"; Exc. C20, G20, K20, C25, G25, K25, C30, G30, K30, C35, G35, K35; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658C 505-658C	----- 505-158C
80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-658A	MK-158A
80	VIN Code "L"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-658A	MKP-158A
80	VIN Code "L"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658A 505-658A	----- 505-158A
80	Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-658C	MK-158C
80	VIN Code "L"; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-658C	MKP-158C
80	VIN Code "L"; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-658C 505-658C	----- 505-158C
79-77	VIN Code "L"; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-630C	MKP-130C
79-77	VIN Code "L"; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	----- 505-130C
79-77	VIN Code "L"; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-630F	MKP-130F
79-77	VIN Code "L"; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630F 505-630F	----- 505-130F
79-75	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-630C	MK-130C

(continued on next page)

GMC Truck (Includes Minivans)

44 5.7L 350 OHV V8 (Chevrolet), 4" Bore 1990-69

(cont.) L/D Truck VIN Codes "A" 1971, "B" 1971, "E" 1969-72 & 1984, "H" 1972-75, "J" 1972, "K" 1971-73, "K" 1983-86 (LPG), "K" 1987-96, "L" 1972-86, "M" 1979-88, "P" 1980-83, "R" 1996-2002 (Vortec), "V" 1973-76, "Y" 1973-75

K	I	T	OVERHAUL KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K
			YEARS	DESCRIPTION			
			79-75	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-630F	MK-130F
			76-75	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-630C	MKP-130C
			76-75	Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	----- 505-130C
			76-75	Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master	MKP-630F	MKP-130F
			76-75	Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630F 505-630F	----- 505-130F
			74	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
			74	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	----- 505-130C
			74	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-630F MK-630F	MKP-130F MK-130F
			74	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630F 505-630F	----- 505-130F
			73	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
			73	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	----- 505-130C
			73	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-630F MK-630F	MKP-130F MK-130F
			73	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630F 505-630F	----- 505-130F
			72-71	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master Master w/o Pistons	MKP-630C MK-630C	MKP-130C MK-130C
			72-71	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630C 505-630C	----- 505-130C
			72-71	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master Master w/o Pistons	MKP-630F MK-630F	MKP-130F MK-130F
			72-71	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630F 505-630F	----- 505-130F
			70-69	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons	MK-630C	MK-130C
			70-69	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master	MKP-630D	MKP-130D
			70-69	Exc. Calif. Emis.; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Mster w/Frg. Pstn. Prm. Rings Master w/o Rods & Mains	MKF-630D 505-630D	----- 505-130D
			70-69	Exc. Calif. Emis.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain	Master w/o Pistons	MK-630F	MK-130F

45 5.7L 350 OHV LPG V8 (Chevrolet), 4" Bore 1976-69

L/D Truck VIN Code "W" 1973-76 (LPG)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	74-69	KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Chain	74-69	222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	74-69	223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	74-69	223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	74-69	223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	76-69	CS-274	
16	Lifter	76-69	HT-817 Std Only	Hyd.
16	Lifter, Bulk	76-69	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	76-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 350 OHV LPG V8 (Chevrolet), 4" Bore 1976-69 45
L/D Truck VIN Code "W" 1973-76 (LPG) (cont.)

VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	76-69	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-69	KCT-274	Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	76-69	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	76-69	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	76-69	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	76-69	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	76-69	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	76-69	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	76-69	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	76-69	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	76-69	R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk	76-69	R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm	76-69	R-826A	
	16	Pivot Ball	76-69	MR-1783	
	16	Pivot Ball	76-69	MR-1822	H/D 4 groove ball
	16	Nut	76-69	MR-1751	Self-locking, 3/8" x 24 threads
	16	Stud	76-69	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud	76-69	MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	76-75	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	74-69	V-1888X Std-15	1st design; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust	74-69	V-1988X Std-3-15	2nd design; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust, Bulk	76-75	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust, Bulk	74-69	V-1988XB Std-15	2nd design; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Intake	76-69	V-1928 Std Only	Chrome plated stem; 1.7200" Head Dia., .3420" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	76-69	VG-5046	Exh.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide	76-69	VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk	76-69	VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	76-73	VS-727	Exh.; Incl. damper; 1.9100" Free Height
	8	Spring	76-73	VS-677	Int.; Incl. damper; 2.0300" Free Height
	16	Spring	72-69	VS-677	Exh. & Int.; Incl. damper; 2.0300" Free Height
	8	Spring, Bulk	76-73	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
	8	Spring, Bulk	76-73	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk	72-69	VS-677B	Exh. & Int.; Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	76-69	MV-1903	Use w/repair guide; w/.371" stem dia.; Positive type; Rubber
	16	Valve Stem Seal	76-69	ST-2004	Use w/O.E. guide; w/.371" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal	76-69	ST-2001	Exh.; Use w/O.E. guide; w/.343" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal Bulk	76-69	ST-2004BC	Use w/O.E. guide; w/.371" stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	8	Valve Stem Seal Bulk	76-69	ST-2001BC	Exh.; Use w/O.E. guide; w/.343" stem dia.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	76-69	VK-115	1 groove; Square cut key groove
	32	Keeper	76-69	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	76-69	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	76-69	259-203C	.015"; Carton of 100
	16	Spring Insert	76-69	259-203B	.030"; Carton of 100
	16	Spring Insert	76-69	259-203BRS	.030"; Carton of 500
	16	Spring Insert	76-69	259-203A	.060"; Carton of 100
	16	Spring Insert	76-69	259-203ARS	.060"; Carton of 500

(continued on next page)

GMC Truck (Includes Minivans)

45 5.7L 350 OHV LPG V8 (Chevrolet), 4" Bore 1976-69 (cont.) L/D Truck VIN Code "W" 1973-76 (LPG)

B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Cast Piston	76-69	399P30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/2 valve reliefs - 9.0:1 C.R.	
	8	Cast Piston - Individual	76-69	W399P30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/2 valve reliefs - 9.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	76-69	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	76-69	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	76-69	WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	76-69	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	8	Repair Sleeve	76-69	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"	
B L O C K	8	Repair Sleeve	76-69	SL-350M Std Only	3/32" wall, cut to length; Press fit sleeve	B L O C K
	8	Repair Sleeve	76-69	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	76-69	4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.	
	1	Main Set	76-69	6688M10 10-20-30	A-Series aluminum bearings	
	1	Main Set	76-69	4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	1	Main Set	76-69	7329MA10 10-20-30	A-Series aluminum bearings ; .010" O/S length flange brg.	
	1	Rod Set	76-69	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set	76-69	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings ; Use in .002" O/S Rod Bore	
	1	Rod Set	76-69	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
B L O C K	1	Rod Set	76-69	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	B L O C K
	1	Rod Set	76-69	8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair	76-69	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair	76-69	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair	76-69	2555CA60 60	Unplated & resizeable	
	1	Cam Set	76-69	1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set	76-69	1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set	76-69	1750M Std Only	2.030" housing bore	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	76-69	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
B L O C K	1	Oil Pump	76-69	224-4146	5/8" inlet	B L O C K
	1	Inter. Shaft	76-69	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	76-69	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	76-69	224-43343	Nylon	
	1	Screen Assy.	76-69	224-1146	5/8" inlet	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	76-69	260-1000	Int. manifold gskts. not incl.	
	1	Head Bolt Set	76-69	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	76-69	381-8007		
B L O C K	1	Steel Block Plug Kit	76-69	381-4011		B L O C K
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	76-69	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings	Re-ring		205-630	205-130
			Re-ring w/Mains		205-630M	205-130M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	74-69	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket	Master w/o Pistons		MK-630C	MK-130C

46 5.7L 350 OHV Diesel V8 (Oldsmobile), 4.057" Bore 1984-78 L/D Truck VIN Codes "N" 1983-84, "Z" 1978-81

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	84-83	KT3-180S	Cam & crank gears not sold separately; Incl. (1) 222-180, (1) 223-498, (1) 223-503
1	3 Piece Set	81-78	KT3-180S	Cam & crank gears not sold separately; Incl. (1) 222-180, (1) 223-498, (1) 223-503
1	Timing Chain	84-83	222-180	48 Links
1	Timing Chain	81-78	222-180	48 Links

(continued on next page)

GMC Truck (Includes Minivans)

5.7L 350 OHV Diesel V8 (Oldsmobile), 4.057" Bore 1984-78 **46**
L/D Truck VIN Codes "N" 1983-84, "Z" 1978-81 (cont.)

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	81-80	HT-2104 Std Only	Hyd. rlr.
16	Lifter, Bulk	81-80	HT-2104B Std Only	Hyd. rlr.; Carton of 113
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	84-83	RP-3244	w/rlr. lifters; 7.7000" O.A.L.
16	Push Rod	80	RP-3205	8.2480" O.A.L.
16	Push Rod	79-78	RP-3174	8.2340" O.A.L.
16	Push Rod, Bulk	84-83	BRP-3244	w/rlr. lifters; Carton of 100; 7.7000" O.A.L.
16	Push Rod, Bulk	80	BRP-3205	Carton of 100; 8.2480" O.A.L.
16	Push Rod, Bulk	79-78	BRP-3174	Carton of 100; 8.2340" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	81-80	R-882	Incl. 2-arms, 2-pivots & 1-pivot bridge
8	Arm Assy.	79-78	R-856	Incl. 2-arms & 1-pivot assy.
8	Arm Assy., Bulk	81-80	R-882B	Incl. 2-arms, 2-pivots & 1-pivot bridge; Carton of 32
8	Arm Assy., Bulk	79-78	R-856B	Incl. 2-arms & 1-pivot assy.; Carton of 64
16	Arm	81-80	R-882A	
16	Arm	79-78	R-856A	
16	Arm, Bulk	81-80	R-882AB	Carton of 64
8	Pivot	81-78	MR-1903	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	81-78	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
8	Valve Stem Seal	81-78	MV-1819C	Int.; Umbrella type; Nylon
16	Valve Stem Seal Bulk	81-78	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
8	Valve Stem Seal Bulk	81-78	MV-1819	Int.; Umbrella type; Carton of 50; Nylon
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	84-83	245-1687-16 Std Only	1.6925" OD, 1.4375" ID, .1860" Depth
8	Int.	84-83	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
8	Exh.	81-78	245-1687-16 Std Only	1.6925" OD, 1.4375" ID, .1860" Depth
8	Int.	81-78	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	84-83	VK-115	1 groove; Square cut key groove
32	Keeper	84-83	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	81-78	VK-115	1 groove; Square cut key groove
32	Keeper	81-78	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	84-83	VK-115B	1 groove; Square cut key groove; Carton of 1000
32	Keeper, Bulk	81-78	VK-115B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	81-78	259-303C	.015"; ID .703"; Carton of 100
16	Spring Insert	81-78	259-303B	.030"; ID .703"; Carton of 100
16	Spring Insert	81-78	259-303A	.060"; ID .703"; Carton of 100
16	Spring Insert	81-78	259-303ARS	.060"; ID .703"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Pin Bushing	81-78	2564V20	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-83	4294M Std-1-10-20-30	
1	Main Set	81-78	4294M Std-1-10-20-30	
1	Rod Set	84-83	8-3045A Std-10-20-30-40	A-Series aluminum bearings
1	Rod Set	84-83	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
1	Rod Set	84-83	8-3045APA Std-1	Overplated alum. alloy
1	Rod Set	84-83	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy
1	Rod Set	81-78	8-3045A Std-10-20-30-40	A-Series aluminum bearings
1	Rod Set	81-78	8-3045A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
1	Rod Set	81-78	8-3045APA Std-1	Overplated alum. alloy
1	Rod Set	81-78	8-3045APA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore; Overplated alum. alloy
8	Rod Pair	84-83	3045A Std-1-10-20-30-40	A-Series aluminum bearings
8	Rod Pair	84-83	3045APA Std Only	Overplated alum. alloy
8	Rod Pair	81-78	3045A Std-1-10-20-30-40	A-Series aluminum bearings
8	Rod Pair	81-78	3045APA Std Only	Overplated alum. alloy
1	Cam Set	84-83	1466M Std Only	Full round design
1	Cam Set	84-83	1787M Std Only	O.E. split type design
1	Cam Set	81-78	1466M Std Only	Full round design
1	Cam Set	81-78	1787M Std Only	O.E. split type design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	81-78	224-41203V	High Volume, check pan for clearance; Use w/224-11203V screen

(continued on next page)

GMC Truck (Includes Minivans)

46 5.7L 350 OHV Diesel V8 (Oldsmobile), 4.057" Bore 1984-78 (cont.) L/D Truck VIN Codes "N" 1983-84, "Z" 1978-81					
BLOCK	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Inter. Shaft	81-78	224-61203	
	1	Screen Assy.	81-78	224-11203V	Bolt-on 3/4" tube; Use w/224-41203V pump
	1	Screen Assy.	81-78	224-11203	5/8" inlet tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	84-83	260-1249	w/Internal EGR; Premium valve stem seals incl.; Head gskts. not incl.
	1	Kit Gasket Set	84-83	260-1617	Int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. std. thickness head gskts.
	1	Kit Gasket Set	81	260-1249	w/Internal EGR; Premium valve stem seals incl.; Head gskts. not incl.
	1	Kit Gasket Set	81-78	260-1617	Int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. std. thickness head gskts.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	81-78	381-8020	
	1	Steel Block Plug Kit	81-78	381-4020	
47 5.7L 351 OHV V6 (GMC), 4.5625" Bore 1968-65 L/D Truck 351, 351C, 351E, 351M Engs.					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	68-65	223-377	24 Teeth
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	68-65	RP-3099	7.9890" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	68-65	VG-5036	Int.; .3740" ID, 2.7500" O.A.L.
	6	Guide, Bulk	68-65	VG-5036B	Int.; .3740" ID, 2.7500" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	68-66	ST-2007	Exh.; Positive type; Rubber
	6	Valve Stem Seal	68-66	ST-2002	Int.; Installation requires valve guide machining; Polyacrylate
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	68-65	VK-115	1 groove; Square cut key groove
	24	Keeper	68-65	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	68-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	68-65	2404Y20	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-65	4067MA Std-10	A-Series aluminum bearings; Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	6	Rod Pair	68-65	2400P Std-10-20-30	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Cam Set	68-65	1198M Std Only	
VALVE TRAIN	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-65	224-41154	3/8" dia. mounting holes; Governor spinner not incl., Re-use original if req'd.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	68-65	381-8019	
48 6.0L 366 OHV V8 (Chevrolet), 3.9375" Bore 1967-66 L/D Truck					
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	67-66	260-1009	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	67-66	381-8009	
	1	Steel Block Plug Kit	67-66	381-4017	

GMC Truck (Includes Minivans)

6.2L 379 (6211cc) OHV Diesel V8 (Chevrolet), 101mm Bore 1990-82 **49**
L/D Truck VIN Codes "C" 1982-93 (L/D), "J" 1982-93 (H/D)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-82	KT3-181S	Incl. (1) 222-181, (1) 223-375, (1) 223-524
1	Timing Chain	90-82	222-181	48 Links
1	Crank Sprocket	90-82	223-375	18 Teeth
1	Cam Sprocket	90-82	223-524	36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-82	CS-770	Hyd. rlr.
16	Lifter	90-82	HT-2104 Std Only	Hyd. rlr.; Carton of 113
16	Lifter, Bulk	90-82	HT-2104B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	90-82	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-82	KC-770	Hyd. rlr.; Incl. (1) CS-770, (16) HT-2104, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-82	RP-3342	8.8215" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	90-85	R-950D	Incl. arm; Incl. retainer
16	Arm	90-85	R-950	Stamped steel
2	Rocker Shaft	90-85	RS-676	w/late style stamped steel rockers
8	Rocker Bushing	88-85	3863Y	Use w/Cast iron rockers & OE shaft
16	Retainer	90-85	MR-1948	w/late style stamped steel rockers
16	Retainer, Bulk	90-85	MR-1948B	w/late style stamped steel rockers; Carton of 1000
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90-88	V-4491X Std Only	VIN Code "C"; Chrome plated stem; 1.5350" Head Dia., .3718" Stem Dia., 5.1120" O.A.L.
8	Exhaust	90-88	V-2288X Std Only	VIN Code "J"; Chrome plated stem; 1.4960" Head Dia., .3719" Stem Dia., 5.1080" O.A.L.
8	Exhaust	87	V-2288X Std Only	VIN Code "J"; Chrome plated stem; 1.4960" Head Dia., .3719" Stem Dia., 5.1080" O.A.L.
8	Exhaust	86-85	V-2288X Std Only	VIN Code "J"; Chrome plated stem; 1.4960" Head Dia., .3719" Stem Dia., 5.1080" O.A.L.
8	Exhaust	84	V-2288X Std Only	VIN Code "J"; Chrome plated stem; 1.4960" Head Dia., .3719" Stem Dia., 5.1080" O.A.L.
8	Intake	86-84	V-2287 Std Only	Chrome plated stem; 1.8110" Head Dia., .3413" Stem Dia., 5.1080" O.A.L.
8	Intake	83-82	V-2287 Std Only	VIN Code "C"; Chrome plated stem; 1.8110" Head Dia., .3413" Stem Dia., 5.1080" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-82	VG-5052T	Int.; Threaded; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	90-82	VS-820	2.0350" Free Height
16	Spring, Bulk	90-82	VS-820B	Carton of 250; 2.0350" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90-82	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	90-82	MV-1233	O-Ring; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-88	245-1562-36 Std Only	Use w/V-2288X; 1.5670" OD, 1.3125" ID, .1860" Depth
8	Int.	90-87	245-2000-22 Std Only	2.0055" OD, 1.7500" ID, .1540" Depth
8	Exh.	87-84	245-1562-36 Std Only	Use w/V-2288X; 1.5670" OD, 1.3125" ID, .1860" Depth
8	Exh.	87-84	245-1687-15 Std Only	1.6925" OD, 1.4375" ID, .1540" Depth
8	Int.	86-82	245-1937-17 Std Only	Use w/V-2287; 1.9425" OD, 1.6875" ID, .2160" Depth
8	Int.	86-82	245-2000-22 Std Only	2.0055" OD, 1.7500" ID, .1540" Depth
8	Exh.	83-82	245-1687-15 Std Only	1.6925" OD, 1.4375" ID, .1540" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-82	VK-115	1 groove; Square cut key groove
32	Keeper	90-82	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	90-82	VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap	90-82	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	90-82	H587CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 1-3.00mm, 1-2.00mm, 1-4.00mm Ring Groove, 2.114" CD, 1.2204" Pin Dia., Flat Head w/Ricardo Cup & Keystone top ring groove - 21.5:1 C.R.; DurOshield® skirt coated piston
8	Cast Piston	90-82	H587P Std-.50-.75-1.00-1.50MM	Hypereutectic; 1-3.00mm, 1-2.00mm, 1-4.00mm Ring Groove, 2.114" CD, 1.2204" Pin Dia., Flat Head w/Ricardo Cup & Keystone top ring groove - 21.5:1 C.R.
8	Cast Piston - Individual	90-82	WH587CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 1-3.00mm, 1-2.00mm, 1-4.00mm Ring Groove, 2.114" CD, 1.2204" Pin Dia., Flat Head w/Ricardo Cup & Keystone top ring groove - 21.5:1 C.R.; DurOshield® skirt coated piston

(continued on next page)

GMC Truck (Includes Minivans)

49 6.2L 379 (6211cc) OHV Diesel V8 (Chevrolet), 101mm Bore 1990-82

(cont.) L/D Truck VIN Codes "C" 1982-93 (L/D), "J" 1982-93 (H/D)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston - Individual	90-82	WH587P Std.-.50-.75-1.00-1.50MM	Hypereutectic; 1-3.00mm, 1-2.00mm, 1-4.00mm Ring Groove, 2.114" CD, 1.2204" Pin Dia., Flat Head w/Ricardo Cup & Keystone top ring groove - 21.5:1 C.R.	
	8	Pin Bushing	88-82	3864Y20	w/.020" extra bore stock	
	8	Pin Bushing	88-82	3864YA20	w/.020" O/S OD & .020" extra bore stock	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-82	E-468K Std.-.50-.75-1.00-1.50MM	1-3.00MM, 1-2.00MM, 1-4.00MM	
	8	Premium Single Cylinder Set	90-82	WE-468K Std.-.50-.75-1.00-1.50MM	1-3.00MM, 1-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-82	7370M Std.-.026-.25-.50-.75MM	3/4 grooved	
	1	Rod Set	90-82	8-3860P Std.-.026-.25-.50-.75MM		
8	Rod Pair	90-82	3860P Std.-.026-.25-.50-.75MM			
1	Cam Set	90-82	1496M Std Only	Full round design		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	BLOCK	
1	Oil Pump	90-82	224-43424			
1	Inter. Shaft	90-82	224-6143H			
1	Oil Pump Shaft Guide	90-82	224-43351	Nylon		
1	Screen Assy.	90-82	224-1143H			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-82	260-1619	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.		
1	Kit Gasket Set	90-82	260-1315	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control exh. valve stem seals not incl.; Incl. std. thickness head gskts.		
2	Head Bolt Set	90-82	260-2507	Replacement recommended		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-82	381-8057			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control Exh. valve stem seals not incl.; Incl. std. thickness head gskts.	Re-ring		205-6084	----
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control Exh. valve stem seals not incl.; Incl. std. thickness head gskts.; Incl. 3/4 grooved main brgs.	Re-ring w/Mains		205-6084M	----
	90-82	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.	Re-ring		205-6257	----
	90-82	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Incl. 3/4 grooved main brgs.	Re-ring w/Mains		205-6257M	----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control exh. valve stem seals not incl.; Incl. std. thickness head gskts.; Incl. 3/4 grooved main brgs.	Master		MKP-6084A	----
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control Exh. valve stem seals not incl.; Incl. std. thickness head gskts.	Master w/o Rods & Mains		505-6084A	----
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control Exh. valve stem seals not incl.; Incl. std. thickness head gskts.; Incl. 3/4 grooved main brgs.	Master w/o Pistons		MK-6084A	----
	90-82	Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Positive control exh. valve stem seals not incl.; Incl. std. thickness head gskts.; Incl. 3/4 grooved main brgs.	Block w/Pump & Freeze Plugs		BKP-6092	----
			Block		BK-6092	----
	90-82	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Incl. 3/4 grooved main brgs.	Block w/Pump & Freeze Plugs		BKP-6093	----
			Block		BK-6093	----

(continued on next page)

GMC Truck (Includes Minivans)

6.2L 379 (6211cc) OHV Diesel V8 (Chevrolet), 101mm Bore 1990-82 49
L/D Truck VIN Codes "C" 1982-93 (L/D), "J" 1982-93 (H/D) (cont.)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	90-82	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.	Master w/o Rods & Mains	505-6257A	----	
	90-82	Incl. .010" thicker head gskts.; Incl. H/D int. manifold gskts.; Incl. L/D int. manifold gskts.; Exh. pipe packing not incl.; Incl. 3/4 grooved main brgs.	Master Master w/o Pistons	MKP-6257A MK-6257A	---- ----	

6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-66 50
L/D Truck VIN Codes "E" 1968-69, "Y" 1968-69

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	69-68	KT3-501SA	Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393	
	1	Timing Set w/Gaskets	69-68	CTS-1110R		
	1	Timing Chain	69-68	222-501	Silent type; 50 Links	
	1	Crank Sprocket	69-68	223-393	19 Teeth	
	1	Cam Sprocket	69-68	223-392	38 Teeth	
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	69-68	CS-636		
	1	Performance Cam	69-68	CS-1004R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees	
	1	Performance Cam	69-68	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees	
	1	Performance Cam	69-68	CS-1015R	Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees	
	16	Lifter	69-68	HT-817 Std Only	Hyd.	
	16	Lifter, Bulk	69-68	HT-817B Std Only	Hyd.; Carton of 128	
	1	Prelube	69-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	69-68	KC-636	Hyd.; Incl. (1) CS-636, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-68	KC-1004R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-68	KC-1088R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter Kit	69-68	KC-1015R	Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-68	KCT-636A	Hyd.; Incl. (1) CS-636, (16) HT-817, (1) KT3-501SA, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-68	KCT-1004R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (1) CTS-1110R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-68	KCT-1088R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (1) CTS-1110R, (16) HT-817, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	69-68	KCT-1015R	Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (1) CTS-1110R, (16) HT-817, (1) 55-403B	
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	8	Push Rod	69-68	RP-3181	Exh.; .3125" dia.; 9.2520" O.A.L.	
	8	Push Rod	69-68	RP-3325R	Exh.; Chrome-Moly; 9.2200" O.A.L.	
	8	Push Rod	69-68	RP-3182	Int.; .3125" dia.; 8.2800" O.A.L.	
	8	Push Rod, Bulk	69-68	BRP-3181	Exh.; .3125" dia.; Carton of 100; 9.2520" O.A.L.	
	8	Push Rod, Bulk	69-68	BRP-3182	Int.; .3125" dia.; Carton of 100; 8.2800" O.A.L.	
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	16	Arm Assy.	69-68	R-851	Incl. arm, ball & nut	
	16	Arm Assy., Bulk	69-68	R-851B	Incl. arm, ball & nut; Carton of 64	
	16	Arm	69-68	R-851A		
	16	Pivot Ball	69-68	MR-1815		
	16	Nut	69-68	MR-1813	7/16" thread	
	16	Stud	69-68	MR-1910RS	7/16" thread, 1.955" length, .710" depth	

(continued on next page)

GMC Truck (Includes Minivans)

50 6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-66
 (cont.) L/D Truck VIN Codes "E" 1968-69, "Y" 1968-69

V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	69-68	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	69-68	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	69-68	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	69-68	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	69-68	VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
	8	Guide	69-68	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	69-68	VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
	8	Guide, Bulk	69-68	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
B L O C K	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	69-68	VS-657	Single spring; Incl. damper; 2.1100" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	69-68	MV-1769C	Umbrella type; Polyacrylate
	16	Valve Stem Seal	69-68	MV-1912	Umbrella type; Premium Material; Viton®
	16	Valve Stem Seal Bulk	69-68	MV-1769	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	69-68	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	69-68	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	69-68	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	69-68	VK-138	1 groove; Square cut key groove
	32	Keeper	69-68	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	69-68	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	69-68	259-404A	.060"; Carton of 50
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	69-68	460P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.730 plus .200 step" CD, .9894" Pin Dia., Step Head - 9.6:1 C.R.; Fits both L.H. & R.H. banks
	8	Cast Piston - Individual	69-68	W460P Std-30-40-60	Use w/WE-232K or WE-232X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.730 plus .200 step" CD, .9894" Pin Dia., Step Head - 9.6:1 C.R.; Fits both L.H. & R.H. banks
	8	Powerforged	69	L-2240NF Std-30-40-60	1st design; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high. DurOshield® skirt coated piston.
	8	Powerforged	68	L-2240NF Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	69	WL-2240NF Std-30-40-60	1st design; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high.
B L O C K	8	Forged Piston - Individual	68	WL-2240NF Std-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.760" CD, .9897" Pin Dia., Domed Head .182" high.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	69-68	E-232K Std-30-40-60	2-5/64, 1-3/16
	1	Standard Set	69-68	E-232X Std-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	69-68	WE-232K Std-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	69-68	WE-232X Std-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	69-66	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Main Set	69-66	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Rod Set	69-66	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
B L O C K	8	Rod Pair	69-66	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Cam Set	69-66	1404M Std Only	Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	69-68	224-4154	High Volume, check pan for clearance; Use shaft w/steel guide
	1	Oil Pump	69-68	224-4153	
	1	Inter. Shaft	69-68	224-6154A	Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide
	1	Inter. Shaft	69-68	224-6154	Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide
	1	Screen Assy.	69-68	224-43620	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	69-66	260-1009	Premium valve stem seals incl.

(continued on next page)

GMC Truck (Includes Minivans)

6.5L 396 OHV V8 (Chevrolet), 4.0938" Bore 1969-66 50				
L/D Truck VIN Codes "E" 1968-69, "Y" 1968-69 (cont.)				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	69-66	381-8009	
1	Steel Block Plug Kit	69-66	381-4017	
K I T S	RE-RING KIT			
	YEARS	DESCRIPTION		
	69-68	Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring
				Re-ring w/Mains
				PREMIUM KIT NO. 205-686
				ECONOMY KIT NO. 205-186
K I T S	OVERHAUL KIT			
	YEARS	DESCRIPTION		
	69-68	Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. silent type chain		Master
				Master w/o Pistons
				PREMIUM KIT NO. MKP-686C
				ECONOMY KIT NO. MKP-186C
K I T S	69-68	Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains
				PREMIUM KIT NO. 505-686C
				ECONOMY KIT NO. 505-186C
6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1980-70 51				
L/D Truck VIN Codes "E" 1972, "K" 1970, "M" 1975, "R" 1972-80, "U" 1973-76, "X" 1980				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	80-75	KT3-163S	10 Series, 20 Series & 30 Series; Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
1	3 Piece Set	76-74	KT3-499S	Sprint; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Set w/Gaskets	80-75	CTS-1100R	
1	Timing Set w/Gaskets	80-75	CTS-1003	10 Series, 20 Series & 30 Series; Incl. double rlr. type chain
1	Timing Chain	80-75	222-163	10 Series, 20 Series & 30 Series; Double rlr.; 58 Links
1	Timing Chain	76-74	222-499	Sprint; Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket	80-75	223-289	10 Series, 20 Series & 30 Series; Double row; 22 Teeth
1	Crank Sprocket	76-74	223-391	Sprint; Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket	80-75	223-288	10 Series, 20 Series & 30 Series; Double row; 44 Teeth
1	Cam Sprocket	76-74	223-390	Sprint; .405" tooth width sprocket; 36 Teeth
1	Cam Sprocket	76-74	223-390N	Sprint; Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	80-75	CS-274	
1	Performance Cam	80-75	CS-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-1500 Perf. Cam; Hyd.; Duration at .050: 194 Int., 204 Exh.; Valve lift .3980" Int., .4200" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-75	CS-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4200" Int., .4430" Exh.; Lobe Separation 112 Degrees
1	Performance Cam	80-75	CS-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Pro-3000 Perf. Cam; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .4430" Int., .4650" Exh.; Lobe Separation 112 Degrees
16	Lifter	80-75	HT-817 Std Only	Hyd.
16	Lifter	80-75	HT-817R Std Only	Speed-Pro Hi-Revolution Hyd.
16	Lifter, Bulk	80-75	HT-817B Std Only	Hyd.; Carton of 128
16	Lifter, Bulk	80-75	HT-817RB Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
1	Prelube	80-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	80-75	KC-1103R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-1500 Perf. Cam; Duration at .050", 194 Int., 204 Exh.; Valve lift .398" Int., .420" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1103R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-75	KC-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-75	KC-1106R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .443" Int., .465" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1106R, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit	80-75	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	80-75	KCT-1014R	Emissions Legal Cam; CARB E.O. No. D-292-1; Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .420" Int., .443" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1014R, (1) CTS-1100R, (16) HT-817, (1) 55-403B
1	Cam/Lifter/Timing Kit	80-75	KCT-274C	10 Series, 20 Series & 30 Series; Hyd.; Incl. double rlr. type chain; Incl. (1) CS-274, (16) HT-817, (1) KT3-163S, (1) 55-403B

(continued on next page)

GMC Truck (Includes Minivans)

51 6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1980-70

(cont.) L/D Truck VIN Codes "E" 1972, "K" 1970, "M" 1975, "R" 1972-80, "U" 1973-76, "X" 1980

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter/Timing Kit	76-75	KCT-274	Sprint; Hyd.; w/.405" tooth width sprocket; Incl. (1) CS-274, (16) HT-817, (1) KT3-499S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	80-75	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	80-75	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	80-75	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	80-75	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	80-75	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	80-75	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	80-75	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	80-75	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.	80-75	R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk	80-75	R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm	80-75	R-826A	
16	Pivot Ball	80-75	MR-1783	
16	Pivot Ball	80-75	MR-1822	H/D 4 groove ball
16	Nut	80-75	MR-1751	Self-locking, 3/8" x 24 threads
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	80-77	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	80-77	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	76-75	V-1904 Std-3-15-30	Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust	76-75	V-2449X Std Only	Inconel X-751; Chrome plated stem; Premium Material; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust	76-75	V-1988X Std-3-15	1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	80-77	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Exhaust, Bulk	76-75	V-1904B Std-15	Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk	76-75	V-1988XB Std-15	1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
8	Intake	80	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	80	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	79	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	79	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	78	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake	78	V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
8	Intake	77-75	V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	80	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	80	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	79	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	79	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	78	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk	78	V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
8	Intake, Bulk	77-75	V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	80-75	VG-5046	Exh.; .502" OD; .3740" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	80-75	VS-727	Exh.; Incl. damper; 1.9100" Free Height
8	Spring	80-75	VS-677	Int.; Incl. damper; 2.0300" Free Height
8	Spring, Bulk	80-75	VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
8	Spring, Bulk	80-75	VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height

(continued on next page)

GMC Truck (Includes Minivans)

6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1980-70 51

L/D Truck VIN Codes "E" 1972, "K" 1970, "M" 1975, "R" 1972-80, "U" 1973-76, "X" 1980 (cont.)

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	80-75	ST-2004	Exh.; Positive type; Installation requires valve guide machining; Rubber/PTFE	
8	Valve Stem Seal	80-75	ST-2001	Int.; Positive type; Installation requires valve guide machining; Rubber/PTFE	
16	Valve Stem Seal	80-75	MV-1233C	O-Ring; Rubber	
16	Valve Stem Seal Bulk	80-75	MV-1233	O-Ring; Carton of 100; Rubber	
8	Valve Stem Seal Bulk	80-75	ST-2004BC	Exh.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
8	Valve Stem Seal Bulk	80-75	ST-2001BC	Int.; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	80-75	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth	
8	Exh.	80-75	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth	
8	Int.	80-75	245-2125-1 Std Only	Use w/V-1926; 2.1305" OD, 1.8125" ID, .2480" Depth	
8	Int.	80-75	245-1812-3 Std Only	Use w/V-1927; 1.8175" OD, 1.5000" ID, .2160" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	80-75	VK-115	1 groove; Square cut key groove	
32	Keeper	80-75	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	80-75	VK-115B	1 groove; Square cut key groove; Carton of 1000	
16	Spring Insert	80-75	259-203C	.015"; Carton of 100	
16	Spring Insert	80-75	259-203B	.030"; Carton of 100	
16	Spring Insert	80-75	259-203BRS	.030"; Carton of 500	
16	Spring Insert	80-75	259-203A	.060"; Carton of 100	
16	Spring Insert	80-75	259-203ARS	.060"; Carton of 500	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
8	Cast Piston	80-73	400AP Std-20-30-40-60	Use w/E-243K or E-243X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.	
8	Cast Piston - Individual	80-73	W400AP Std-20-30-40-60	Use w/WE-243K or WE-243X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.	
1	Cast Piston Set w/Prem. Rings	80-73	8K400AP30 30-40	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .160" deep x 3.445" dia. - 8.5:1 C.R.	
8	Powerforged	71	L-2383F30 30-40-60	Use w/E-243K or E-243X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .110" high w/1 valve relief. DurOshield® skirt coated piston.	
8	Forged Piston - Individual	71	WL-2383F30 30-40-60	Use w/WE-243K or WE-243X ring set; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Flat Head.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	80-75	E-243K Std-20-30-40-60	2-5/64, 1-3/16	
1	Premium Set	80-75	R-10374 Std-30-40-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set	
1	Standard Set	80-75	E-243X Std-20-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	80-75	WE-243K Std-20-30-40-60	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	71	WE-243K Std-20-30-40-60	Use w/WL-2383F 30 piston; 2-5/64, 1-3/16	
8	Standard Single Cylinder Set	80-75	WE-243X Std-20-30-40-60	2-5/64, 1-3/16	
8	Standard Single Cylinder Set	71	WE-243X Std-20-30-40-60	Use w/WL-2383F 30 piston; 2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	80-73	4926MA Std-1-10-20-30	A-Series aluminum bearings	
1	Rod Set	80-73	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set	80-73	8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
1	Rod Set	80-73	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
1	Rod Set	80-73	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
1	Rod Set	80-73	8-2555CA60 60	Unplated & resizeable	
8	Rod Pair	80-73	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
8	Rod Pair	80-73	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
8	Rod Pair	80-73	2555CA60 60	Unplated & resizeable	
1	Cam Set	80-73	1235M Std-1-10	Small block; Babbitt material; Full round design	
1	Cam Set	80-73	1749M Std Only	Small block; Bi-Metal Aluminum	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	80-75	224-4146A	High Pressure; 5/8" inlet	
1	Oil Pump	80-75	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
1	Oil Pump	80-75	224-4146	5/8" inlet	

(continued on next page)

GMC Truck (Includes Minivans)

51 6.6L 400 OHV V8 (Chevrolet), 4.125" Bore 1980-70

(cont.) L/D Truck VIN Codes "E" 1972, "K" 1970, "M" 1975, "R" 1972-80, "U" 1973-76, "X" 1980

B L O C K	QTY	OIL PUMP (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Inter. Shaft	80-75	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	1	Inter. Shaft	80-75	224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide	80-75	224-43343	Nylon	
	1	Screen Assy.	80-75	224-1246	5/8" inlet tube	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	80-70	260-1016		
	2	Head Bolt Set	80-70	260-2500		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	79-77	381-8008	VIN Code "R"	
1	Brass Block Plug Kit	76	381-8008	VIN Codes "R" & "U"		
1	Brass Block Plug Kit	75	381-8008	VIN Codes "R", "M" & "U"		
1	Brass Block Plug Kit	74-73	381-8008	VIN Codes "R" & "U"		
1	Brass Block Plug Kit	72	381-8008	VIN Code "R"		
1	Brass Block Plug Kit	70	381-8008	Vin Code "K"		
K I T S	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	80-75	Incl. A-Series aluminum bearings		Re-ring Re-ring w/Mains	205-6282 205-6282M	205-1282 205-1282M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	80	VIN Codes "R" & "X"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master w/o Pistons	MK-618E	----
	79-77	VIN Code "R"; 10 Series, 20 Series & 30 Series; Incl. double rlr. type chain; Incl. 5/8" inlet oil pump		Master w/o Rods & Mains	505-618C	----
	79-77	VIN Code "R"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master w/o Pistons	MK-618E	----
	79-77	VIN Code "R"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master	MKP-618E	----
	76	VIN Code "R"; Sprint; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master	MKP-618A	----
	76	VIN Code "R"; Sprint; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains	505-618A	----
	76	VIN Codes "R" & "U"; 10 Series, 20 Series & 30 Series; Incl. double rlr. type chain; Incl. 5/8" inlet oil pump		Master w/o Rods & Mains	505-618C	----
	76	VIN Codes "R" & "U"; Sprint; Freeze plugs not incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master Master w/o Pistons	MKP-618D MK-618D	----- -----
	76	VIN Codes "R" & "U"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master w/o Pistons	MK-618E	----
	76	VIN Codes "R" & "U"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master	MKP-618E	----
	75	VIN Code "R"; Sprint; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master	MKP-618A	----
	75	VIN Code "R"; Sprint; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master w/o Rods & Mains	505-618A	----
	75	VIN Code "R"; 10 Series, 20 Series & 30 Series; Incl. double rlr. type chain; Incl. 5/8" inlet oil pump		Master w/o Rods & Mains	505-618C	----
	75	VIN Codes "R", "M" & "U"; Sprint; Freeze plugs not incl.; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; w/.405" tooth width sprocket		Master Master w/o Pistons	MKP-618D MK-618D	----- -----
	75	VIN Code "R"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master	MKP-618E	----
	75	VIN Codes "R", "M" & "U"; 10 Series, 20 Series & 30 Series; Incl. A-Series aluminum bearings ; Freeze plugs not incl.; Incl. 5/8" inlet oil pump; Incl. double rlr. type chain		Master w/o Pistons	MK-618E	----

GMC Truck (Includes Minivans)

6.6L 402 OHV V8 (Chevrolet), 4.125" Bore 1972-70 **52**

L/D Truck VIN Codes "E" 1970-72, "K" 1971, "S" 1972, "U" 1972

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	72-70	KT3-501SA	Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
	1	Timing Set w/Gaskets	72-70	CTS-1110R	
	1	Timing Chain	72-70	222-501	Silent type; 50 Links
	1	Crank Sprocket	72-70	223-393	19 Teeth
	1	Cam Sprocket	72-70	223-392	38 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	72-70	CS-774	
	1	Performance Cam	72-70	CS-1004R	Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	72-70	CS-1088R	Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	72-70	CS-1015R	Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
	16	Lifter	72-70	HT-817 Std Only	Hyd.
	16	Lifter, Bulk	72-70	HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube	72-70	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	72-70	KC-774	Hyd.; Incl. (1) CS-774, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1004R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1088R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	72-70	KC-1015R	Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-774	Hyd.; Incl. silent type chain; Incl. (1) CS-774, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-1004R	Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (1) CTS-1110R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-1088R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (1) CTS-1110R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-70	KCT-1015R	Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (1) CTS-1110R, (16) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	72-70	RP-3181	Exh.; .3125" dia.; 9.2520" O.A.L.
	8	Push Rod	72-70	RP-3182	Int.; .3125" dia.; 8.2800" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3181	Exh.; .3125" dia.; Carton of 100; 9.2520" O.A.L.
	8	Push Rod, Bulk	72-70	BRP-3182	Int.; .3125" dia.; Carton of 100; 8.2800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	72-70	R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk	72-70	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm	72-70	R-851A	
	16	Pivot Ball	72-70	MR-1815	
	16	Nut	72-70	MR-1813	7/16" thread
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	72-70	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk	72-70	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Intake	72-70	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	8	Intake, Bulk	72-70	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	72-70	VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
	8	Guide	72-70	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk	72-70	VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
	8	Guide, Bulk	72-70	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

52 6.6L 402 OHV V8 (Chevrolet), 4.125" Bore 1972-70 (cont.) L/D Truck VIN Codes "E" 1970-72, "K" 1971, "S" 1972, "U" 1972						
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	72-71	VS-708	Double spring; 2.1200" Free Height	
	16	Spring	70	VS-657	Single spring; Incl. damper; 2.1100" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	72-70	MV-1769C	Umbrella type; Polyacrylate	
	16	Valve Stem Seal Bulk	72-70	MV-1769	Umbrella type; Carton of 100; Polyacrylate	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	72-70	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth	
	8	Exh.	72-70	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth	
	8	Int.	72-70	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	72-70	VK-138	1 groove; Square cut key groove	
	32	Keeper	72-70	VK-138R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	72-70	VK-138B	1 groove; Square cut key groove; Carton of 1000	
	16	Spring Insert	72-70	259-203C	.015"; Carton of 100	
	16	Spring Insert	72-70	259-203B	.030"; Carton of 100	
	16	Spring Insert	72-70	259-203BRS	.030"; Carton of 500	
	16	Spring Insert	72-70	259-203A	.060"; Carton of 100	
	16	Spring Insert	72-70	259-203ARS	.060"; Carton of 500	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
8	Cast Piston	72-70	402P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.732 plus .125 crown" CD, .9894" Pin Dia., Crowned Head		
8	Cast Piston - Individual	72-70	W402P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.732 plus .125 crown" CD, .9894" Pin Dia., Crowned Head		
8	Powerforged	72	L-2383F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Domed Head .110" high w/1 valve relief. DurOshield® skirt coated piston.		
8	Forged Piston - Individual	72	WL-2383F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.770" CD, .9897" Pin Dia., Flat Head.		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	72-70	E-243K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	72-70	E-243X Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	72-70	WE-243K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	72-70	WE-243X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	72	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Main Set	72	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.	
	1	Rod Set	72	8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	8	Rod Pair	72	3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
1	Cam Set	72	1404M Std Only	Babbitt material; Full round design		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	72-70	224-4154	High Volume, check pan for clearance; Use shaft w/steel guide	
	1	Oil Pump	72-70	224-4153		
	1	Inter. Shaft	72-70	224-6154A	Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide	
	1	Oil Pump Shaft Guide	72-70	224-43343		
	1	Screen Assy.	72-70	224-43620		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	72-70	260-1009	Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	72-70	381-8009		
1	Steel Block Plug Kit	72-70	381-4017			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	72	Incl. A-Series aluminum bearings; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-661 205-661M	205-161 205-161M
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
KITS	YEARS	DESCRIPTION				
	72	Premium valve stem seals incl.; Incl. silent type chain		Master w/o Rods & Mains	505-661A	505-161A
KITS	72	Premium valve stem seals incl.; Incl. A-Series aluminum bearings; Incl. silent type chain		Master Master w/o Pistons	MKP-661A MK-661A	MKP-161A MK-161A

GMC Truck (Includes Minivans)

6.6L 403 OHV V8 (Oldsmobile), 4.351" Bore 1978-77 53						
L/D Truck VIN Code "K" 1977-78						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	78-77	4281M	Std-1-10-20-30-40	3.824" max. flange OD
	1	Rod Set	78-77	8-3045A	Std-10-20-30-40	A-Series aluminum bearings
	1	Rod Set	78-77	8-3045APA	Std-1	Overplated alum. alloy
	8	Rod Pair	78-77	3045A	Std-1-10-20-30-40	A-Series aluminum bearings
	8	Rod Pair	78-77	3045APA	Std Only	Overplated alum. alloy
	1	Cam Set	78-77	1466M	Std Only	Full round design
	1	Cam Set	78-77	1787M	Std Only	O.E. split type design
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	78-77	260-1104		Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	78-77	260-4001			
7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70 54						
L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	90-88	KT3-507S		VIN Code "N"; Incl. (1) 222-507, (1) 223-392, (1) 223-393
	1	3 Piece Set	90-71	KT3-171S		H/D timing set; w/4 Bbl. Carb.; Incl. (1) 222-168, (1) 223-394, (1) 223-395
	1	3 Piece Set	87-71	KT3-501SA		Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
	1	Timing Set w/Gaskets	90-73	CTS-1110R		
	1	Timing Chain	90-88	222-507		VIN Code "N"; 50 Links
	1	Timing Chain	90-71	222-168		H/D; w/4 Bbl. Carb.; Double rlr.; 66 Links
	1	Timing Chain	87-71	222-501		Silent type; 50 Links
	1	Crank Sprocket	90-87	223-393		VIN Code "N"; 19 Teeth
	1	Crank Sprocket	90-71	223-395		H/D; w/4 Bbl. Carb.; 25 Teeth
	1	Crank Sprocket	86-71	223-393		19 Teeth
	1	Cam Sprocket	90-87	223-392		VIN Code "N"; 38 Teeth
	1	Cam Sprocket	90-71	223-394		H/D; w/4 Bbl. Carb.; 50 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-76	CS-774		
	1	Camshaft	75-73	CS-660		
	1	Performance Cam	80-73	CS-1004R		Pro-1500 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 190 Int., 200 Exh.; Valve lift .4390" Int., .4640" Exh.; Lobe Separation 110 Degrees
	1	Performance Cam	80-73	CS-1088R		Pro-2000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 204 Int., 214 Exh.; Valve lift .4760" Int., .5010" Exh.; Lobe Separation 112 Degrees
	1	Performance Cam	80-73	CS-1015R		Pro-3000 Perf. Cam; Use w/Hyd. lifters; Hyd.; Duration at .050: 214 Int., 224 Exh.; Valve lift .5010" Int., .5270" Exh.; Lobe Separation 112 Degrees
	16	Lifter	90-71	HT-817	Std Only	Hyd.
	16	Lifter	90-71	HT-817R	Std Only	Speed-Pro Hi-Revolution Hyd.
	16	Lifter, Bulk	90-71	HT-817B	Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk	90-71	HT-817RB	Std Only	Speed-Pro Hi-Revolution Hyd.; Carton of 128
	1	Prelube	90-73	55-400		4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-76	KC-774		Hyd.; Incl. (1) CS-774, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-73	KC-1004R		Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-73	KC-1088R		Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	80-73	KC-1015R		Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit	75-73	KC-660		Hyd.; Incl. (1) CS-660, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-88	KCT-774A		H/D timing set; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-774, (16) HT-817, (1) KT3-171S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	90-88	KCT-774C		VIN Code "N"; Incl. (1) CS-774, (16) HT-817, (1) KT3-507S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-76	KCT-774A		H/D timing set; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-774, (16) HT-817, (1) KT3-171S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	87-76	KCT-774		Hyd.; Incl. silent type chain; Incl. (1) CS-774, (16) HT-817, (1) KT3-501SA, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-73	KCT-1004R		Hyd.; Pro-1500 Perf. Cam; Duration at .050", 190 Int., 202 Exh.; Valve lift .454" Int., .480" Exh.; Lobe Separation 110 Degrees; Incl. (1) CS-1004R, (1) CTS-1110R, (16) HT-817, (1) 55-403B

(continued on next page)

GMC Truck (Includes Minivans)

54 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70

(cont.) L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75

VALVE TRAIN	QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter/Timing Kit	80-73	KCT-1088R	Hyd.; Pro-2000 Perf. Cam; Duration at .050", 204 Int., 214 Exh.; Valve lift .476" Int., .501" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1088R, (1) CTS-1110R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	80-73	KCT-1015R	Hyd.; Pro-3000 Perf. Cam; Duration at .050", 214 Int., 224 Exh.; Valve lift .501" Int., .527" Exh.; Lobe Separation 112 Degrees; Incl. (1) CS-1015R, (1) CTS-1110R, (16) HT-817, (1) 55-403B
	1	Cam/Lifter/Timing Kit	75-73	KCT-660A	H/D timing set; w/4 Bbl. Carb.; Hyd.; Incl. (1) CS-660, (16) HT-817, (1) KT3-171S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	75-73	KCT-660	Hyd.; Incl. silent type chain; Incl. (1) CS-660, (16) HT-817, (1) KT3-501SA, (1) 55-403B
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	90-85	RP-3254	Exh.; 9.2020" O.A.L.
	8	Push Rod	90-85	RP-3255	Int.; 8.2270" O.A.L.
	8	Push Rod	85-71	RP-3182	Int.; .3125" dia.; 8.2800" O.A.L.
	8	Push Rod	84-71	RP-3181	Exh.; .3125" dia.; 9.2520" O.A.L.
	8	Push Rod	84-71	RP-3103	Exh.; .375" Rod dia.; 9.2540" O.A.L.
	8	Push Rod	84-71	RP-3215R	Exh.; Chrome-Moly; .375" tube dia.; 9.2520" O.A.L.
	8	Push Rod	84-71	RP-3218R	Exh.; Chrome-Moly; .437" tube dia.; 9.2520" O.A.L.
	8	Push Rod	84-71	RP-3104	Int.; .375" Rod dia.; 8.2810" O.A.L.
	8	Push Rod	84-71	RP-3216R	Int.; Chrome-Moly; .375" tube dia.; 8.2800" O.A.L.
	8	Push Rod	84-71	RP-3217R	Int.; Chrome-Moly; .437" tube dia.; 8.2800" O.A.L.
	8	Push Rod, Bulk	90-85	BRP-3254	Exh.; Carton of 100; 9.2020" O.A.L.
	8	Push Rod, Bulk	90-85	BRP-3255	Int.; Carton of 100; 8.2270" O.A.L.
	8	Push Rod, Bulk	85-71	BRP-3182	Int.; .3125" dia.; Carton of 100; 8.2800" O.A.L.
	8	Push Rod, Bulk	84-71	BRP-3181	Exh.; .3125" dia.; Carton of 100; 9.2520" O.A.L.
	8	Push Rod, Bulk	84-71	BRP-3103	Exh.; .375" Rod dia.; Carton of 100; 9.2540" O.A.L.
	8	Push Rod, Bulk	84-71	BRP-3104	Int.; .375" Rod dia.; Carton of 100; 8.2810" O.A.L.
	8	Push Rod Guide Plate	90-71	MR-1893	Speed-Pro stepped guide plate for 3/8" dia. push rods; Requires screw-in studs
	8	Push Rod Guide Plate	90-71	MR-1894	Speed-Pro stepped guide plate for 7/16" dia. push rods; Requires screw-in studs
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.	90-71	R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk	90-71	R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm	90-71	R-851A	
	16	Pivot Ball	90-71	MR-1815	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-88	V-1989X Std-15	VIN Codes "J" & "N"; Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	90-87	V-2450X Std Only	VIN Code "W"; Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	87	V-1989X Std-15	VIN Code "N"; Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	86	V-2450X Std Only	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	85	V-1989X Std-15	w/H4D Emis.; w/Cast iron manifold; Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	85	V-2450X Std Only	w/H5D Emis.; w/Stainless steel exh. manifold; Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	84-80	V-1989X Std-15	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	79	V-1989X Std-15	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	79	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	78-77	V-1989X Std-15	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	76-73	V-1989X Std-15	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	76-73	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	72	V-1911 Std-3-15	Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
	8	Exhaust	71	V-1911 Std-3-15	Exc. Sprint & El Camino; Chrome plated stem; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.

(continued on next page)

GMC Truck (Includes Minivans)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70 **54**

L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" (cont.) 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75

QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
8	Exhaust	71	V-1861 Std Only	Sprint, El Camino; Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 1.8740" Head Dia., .3703" Stem Dia., 5.3622" O.A.L.
8	Exhaust, Bulk	90-88	V-1989XB15 15	VIN Codes "J" & "N"; Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	87	V-1989XB15 15	VIN Code "N"; Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	85	V-1989XB15 15	w/H4D Emis.; w/Cast iron manifold; Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	84-80	V-1989XB15 15	Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	79	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	79	V-1989XB15 15	Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	78-77	V-1989XB15 15	Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	76-73	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	76-73	V-1989XB15 15	Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	72	V-1911B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
8	Exhaust, Bulk	71	V-1911B Std-15	Exc. Sprint & El Camino; Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3718" Stem Dia., 5.3550" O.A.L.
8	Intake	90-72	V-1912 Std-3-15	Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
8	Intake	71	V-1912 Std-3-15	Sprint, El Camino; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
8	Intake, Bulk	90-72	V-1912B Std-15	Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
8	Intake, Bulk	71	V-1912B Std-15	Sprint, El Camino; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Chrome plated stem; Carton of 25; 2.0650" Head Dia., .3720" Stem Dia., 5.2300" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-85	VG-1322	Exh.; Not cut for seal; Caution - Drive guide out from spring side to combustion side; .3740" ID, 2.7550" O.A.L.
8	Guide	90-85	VG-1321	Exh.; Use w/seal; Caution - Drive guide out from spring side to combustion side; .3765" ID, 2.4350" O.A.L.
8	Guide	90-85	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
8	Guide	84-71	VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
8	Guide	84-71	VG-689	Int.; .3735" ID, 2.4200" O.A.L.
8	Guide, Bulk	90-85	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
8	Guide, Bulk	84-71	VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
8	Guide, Bulk	84-71	VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	90-86	VS-859	Exh. & Int.; 2.0500" Free Height
16	Spring	85	VS-671	w/Cast Iron manifold; 2.0500" Free Height
16	Spring	85	VS-859	Exc. w/Cast iron manifold; 2.0500" Free Height
16	Spring	84-75	VS-671	2.0500" Free Height
16	Spring	74-73	VS-728	2.0930" Free Height
16	Spring	72-71	VS-708	Sprint; Double spring; 2.1200" Free Height
16	Spring, Bulk	85	VS-671B	w/Cast Iron manifold; Carton of 150; 2.0500" Free Height
16	Spring, Bulk	84-75	VS-671B	Carton of 150; 2.0500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90-71	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	90-71	MV-1769C	Umbrella type; Polyacrylate
16	Valve Stem Seal	90-71	MV-1912	Umbrella type; Premium Material; Viton®
16	Valve Stem Seal Bulk	90-71	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
16	Valve Stem Seal Bulk	90-71	MV-1769	Umbrella type; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-85	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Exh.	90-72	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
8	Int.	90-72	245-2250-1 Std Only	2.2555" OD, 1.9375" ID, .1855" Depth
8	Exh.	84-72	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
8	Exh.	71	245-1812-4N Std Only	Exc. Sprint & El Camino; w/4 Bbl. Carb.; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth

(continued on next page)

GMC Truck (Includes Minivans)

54 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70

(cont.) L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75

VALVE TRAIN	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Exh.	71	245-1812-4 Std Only	Exc. Sprint & El Camino; w/4 Bbl. Carb.; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	71	245-2250-1 Std Only	Exc. Sprint & El Camino; w/4 Bbl. Carb.; 2.2555" OD, 1.9375" ID, .1855" Depth
	8	Exh.	71	245-1812-4N Std Only	Sprint, El Camino; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Exh.	71	245-1812-4 Std Only	Sprint, El Camino; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 1.8175" OD, 1.5625" ID, .2160" Depth
	8	Int.	71	245-2250-1 Std Only	Sprint, El Camino; Exc. Spec. Hi-Perf.; w/4 Bbl. Carb.; 2.2555" OD, 1.9375" ID, .1855" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-71	VK-138	1 groove; Square cut key groove
	32	Keeper	90-71	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	90-71	VK-138B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	90-71	259-203C	.015"; Carton of 100
	16	Spring Insert	90-71	259-203B	.030"; Carton of 100
	16	Spring Insert	90-71	259-203BRS	.030"; Carton of 500
	16	Spring Insert	90-71	259-203A	.060"; Carton of 100
	16	Spring Insert	90-71	259-203ARS	.060"; Carton of 500
	8	Rotocap	90-71	RC-163S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	90-83	H518CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; For + .100" use ring set E424K30; DurOshield® skirt coated piston
	8	Cast Piston	83-73	H661CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/E-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	8	Cast Piston - Individual	90-83	WH518CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; For + .100" use ring set WE424K30; DurOshield® skirt coated piston
	8	Cast Piston - Individual	83-73	WH661CP Std-20-30-40-60-100	Use in sets only; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	90-83	8KH518CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9894" Pin Dia., Recessed Head .080" deep x 2.100" dia. w/2 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	83-73	8KH661CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
	8	Powerforged	90-73	L-2377F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
	8	Forged Piston - Individual	90-73	WL-2377F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-71	E-233K Std-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	90-71	R-9905 Std-20-30-40-60	2-5/64, 1-3/16; Speed-Pro plasma-moly Perf. ring set
	1	Standard Set	90-71	E-233X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-84	WE-424K30 Std-30-40-60	Use w/WH518CP 100 piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	90-71	WE-233K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	83	WE-424K30 Std-30-40-60	Use w/WH518CP 100 or WH661CP 100 piston; 2-5/64, 1-3/16
	8	Premium Single Cylinder Set	82-73	WE-424K30 Std-30-40-60	Use w/WH661CP 100 piston; 2-5/64, 1-3/16
	8	Standard Single Cylinder Set	90-71	WE-233X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve	90-71	SL-24Y Std Only	1/8" wall, must be cut to correct length
	1	Repair Sleeve	90-71	SL-24M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-70	4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Main Set	90-70	7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Main Set	90-70	7273M Std-20	Full grooved

(continued on next page)

GMC Truck (Includes Minivans)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70 **54**

L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" (cont.) 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75

BLOCK	ENGINE BEARINGS				
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	90-70	8-3190A	Std-1-2-10-20-30-40-60 A-Series aluminum bearings
	8	Rod Pair	90-70	3190A	Std-1-2-10-20-30-40-50-60 A-Series aluminum bearings
	1	Cam Set	90-70	1404M	Std Only Babbitt material; Full round design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-4153	High Volume, check pan for clearance; Use shaft w/steel guide
	1	Oil Pump	90-87	224-4154G	Check for adequate main cap and crankshaft clearance
	1	Oil Pump	86-85	224-4154G	"Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; w/4 Bbl. Carb.; VIN Code "W"
	1	Oil Pump	86-85	224-4154	"Tall Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance
1	Oil Pump	84-70	224-4154		
1	Oil Pump	84-70	224-4153	High Volume, check pan for clearance; Use shaft w/steel guide	
1	Pump Repair Kit	90-87	224-51348	Exc. High Volume	
1	Inter. Shaft	90-70	224-6154A	Shaft w/slotted end, 6.52" O.A.L.; Use w/nylon guide	
1	Inter. Shaft	90-70	224-6154	Shaft w/slotted end, 6.82" O.A.L.; Has integral steel guide	
1	Oil Pump Shaft Guide	90-70	224-43343	Nylon	
1	Screen Assy.	90-86	224-14264		
1	Screen Assy.	85	224-14264	Exc. P30 Van; w/o Stainless steel exh.	
1	Screen Assy.	85	224-43620	P30 & P35; w/o Stainless steel exh.	
1	Screen Assy.	84	224-14264		
1	Screen Assy.	83-80	224-14264	Exc. P30 Van & P35/P3500 Van	
1	Screen Assy.	83-77	224-43620	P30 & P35	
1	Screen Assy.	79-77	224-14264	Exc. P30 Van & P35/P3500 Van	
1	Screen Assy.	76-73	224-43620		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-86	260-1418	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	85	260-1046	w/o H5D Emis.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	85	260-1418	w/H5D Emis.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	84-80	260-1046	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	79-70	260-1009	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-70	381-8009		
1	Steel Block Plug Kit	90-70	381-4017		
KITS	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90-86	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6086 205-6086M	205-1086 205-1086M
	85	w/H5D Emis.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6086 205-6086M	205-1086 205-1086M
	85	w/o H5D Emis.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-660 205-660M	205-160 205-160M
	84-80	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-660 205-660M	205-160 205-160M
	79-71	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-613 205-613M	205-113 205-113M
BLOCK					

(continued on next page)

GMC Truck (Includes Minivans)

54 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70

(cont.) L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75

K I T S	OVERHAUL KIT		PREMIUM KIT NO. MK-7028	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION			
	90-88	VIN Code "N"; Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.			
	90-88	VIN Code "N"; Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.			
	90-88	VIN Code "N"; Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			
	90-85	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. High Volume oil pump, check pan for clearance; Use oil pump shaft w/steel guide			
	90-85	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings			
	87	Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain			
	87	Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain			
	86	VIN Code "W"; Incl. "Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; w/4 Bbl. Carb.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain			
	86	VIN Code "W"; Incl. "Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; w/4 Bbl. Carb.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain	505-6086C	505-1086C	
	85	VIN Code "W"; w/H5D Emis.; Incl. "Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; w/4 Bbl. Carb.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain	MKF-6086C MKP-6086C MK-6086C	----- MKP-1086C MK-1086C	
	85	VIN Code "W"; w/H5D Emis.; Incl. "Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; w/4 Bbl. Carb.; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. silent type chain	505-6086C	505-1086C	
	85	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; w/H5D Emis.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	BK-6098	-----	

(continued on next page)

GMC Truck (Includes Minivans)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore 1990-70 54				
L/D Truck VIN Codes "B" 1998-99 (Vortec), "E" 1970-71, "J" 1996-2000 (Vortec), "L" 1973-75, "N" (cont.) 1987-97, "S" 1976-80, "V" 1972, "W" 1972 & 1980-89, "Y" 1973-78, "Z" 1973-75				
K I T S	OVERHAUL KIT (cont.)			
	YEARS	DESCRIPTION		PREMIUM KIT NO. ECONOMY KIT NO.
	85	w/o H5D Emis.; Incl. "Tall Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance; Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Pistons	MKF-660A MK-660A ----- MK-160A
	84-80	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master w/o Pistons	MKF-660A MK-660A ----- MK-160A
	83-80	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master	MKP-660A MKP-160A
	83-80	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-660A 505-160A
	79-76	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master Master w/o Pistons	MKF-613E MKP-613E MK-613E ----- MKP-113E MK-113E
	79-76	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-613E 505-113E
	75-74	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master Master w/o Pistons	MKF-613C MKP-613C MK-613C ----- MKP-113C MK-113C
	75-74	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-613C 505-113C
	73	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. silent type chain	Master w/Frg. Pstn. Prm. Rings Master Master w/o Pistons	MKF-613C MKP-613C MK-613C ----- MKP-113C MK-113C
	73	Exh. pipe packing not incl.; LPG int. manifold gskts. not incl.; Premium valve stem seals incl.; Incl. silent type chain	Master w/o Rods & Mains	505-613C 505-113C

7.5L 455 OHV V8 (Oldsmobile), 4.125" Bore 1976-73 55				
L/D Truck VIN Codes "S" 1976, "W" 1973-75				
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	76-73	4294M Std-1-10-20-30
	1	Rod Set	76-73	8-3345P Std-1-10-20-30-40
	8	Rod Pair	76-73	3345P Std-1-10-20-30-40
	1	Cam Set	76-73	1234M Std Only
				Babbitt material; Full round design
	QTY	GASKETS	YEARS	PART NO.
	1	Kit Gasket Set	76-73	260-1008
	1	Valley Pan Gasket Set	76-73	260-4024
				Int. manifold gskt. not incl.; Premium valve stem seals incl.

Honda Car

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.2L 1169cc SOHC L4 70mm Bore (8 Valve).....	1973	1	1.6L 1599cc SOHC L4 74mm Bore (12 Valve).....	1978-76 13
1.2L 1238cc SOHC L4 72mm Bore (8 Valve).....	1979-74	2	1.8L 1751cc SOHC L4 77mm Bore (12 Valve).....	1983-79 14
1.3L 1335cc SOHC L4 72mm Bore (8 Valve).....	1983-80	3	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	1987-83 15
1.3L 1342cc SOHC L4 74mm Bore (8 Valve).....	1987-84	4	1.8L 1834cc DOHC L4 81mm Bore (16 Valve).....	1990 16
1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	1983-75	5	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	1989-85 17
1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	1987-84	6	2.0L 1958cc DOHC L4 81mm Bore (16 Valve).....	1990-88 18
1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	1987-84	7	2.0L 1958cc SOHC L4 81mm Bore (12 Valve).....	1990-88 19
1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	1987-85	8	2.1L 2056cc DOHC L4 83mm Bore (16 Valve).....	1990 20
1.5L 1493cc SOHC L4 75mm Bore (16 Valve).....	1990-88	9	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	1990 21
1.5L 1493cc SOHC L4 75mm Bore (8 Valve).....	1990-88	10	2.5L 2494cc SOHC V6 84mm Bore (24 Valve).....	1987-86 22
1.6L 1590cc DOHC L4 75mm Bore (16 Valve).....	1989-86	11	2.7L 2675cc SOHC V6 87mm Bore (24 Valve).....	1990-87 23
1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	1990-88	12		

Honda Car

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
A18A1.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15	D16Y8.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12
A18A2.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15	D16Z6.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12
A20A1.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	EB1.....	1.2L 1169cc SOHC L4 70mm Bore (8 Valve).....	1
A20A2.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	EB2.....	1.2L 1238cc SOHC L4 72mm Bore (8 Valve).....	2
A20A3.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	EB3.....	1.2L 1238cc SOHC L4 72mm Bore (8 Valve).....	2
A20A4.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	EC.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
BS1.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	ED1.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
BS2.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	ED2.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
BT1.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	ED3.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
BT2.....	2.0L 1955cc SOHC L4 82.7mm Bore (12 Valve).....	17	ED4.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
B18A1.....	1.8L 1834cc DOHC L4 81mm Bore (16 Valve).....	16	EF1.....	1.6L 1599cc SOHC L4 74mm Bore (12 Valve).....	13
B18B1.....	1.8L 1834cc DOHC L4 81mm Bore (16 Valve).....	16	EF2.....	1.6L 1599cc SOHC L4 74mm Bore (12 Valve).....	13
B20A3.....	2.0L 1958cc SOHC L4 81mm Bore (12 Valve).....	19	EG.....	1.6L 1599cc SOHC L4 74mm Bore (12 Valve).....	13
B20A5.....	2.0L 1958cc DOHC L4 81mm Bore (16 Valve).....	18	EJ1.....	1.3L 1335cc SOHC L4 72mm Bore (8 Valve).....	3
B21A1.....	2.1L 2056cc DOHC L4 83mm Bore (16 Valve).....	20	EK1.....	1.8L 1751cc SOHC L4 77mm Bore (12 Valve).....	14
C25A1.....	2.5L 2494cc SOHC V6 84mm Bore (24 Valve).....	22	EM1.....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	5
C27A1.....	2.7L 2675cc SOHC V6 87mm Bore (24 Valve).....	23	EN1.....	1.3L 1335cc SOHC L4 72mm Bore (8 Valve).....	3
C27A4.....	2.7L 2675cc SOHC V6 87mm Bore (24 Valve).....	23	ES1.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15
D13A1.....	1.3L 1342cc SOHC L4 74mm Bore (8 Valve).....	4	ES2.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15
D13A2.....	1.3L 1342cc SOHC L4 74mm Bore (8 Valve).....	4	ES3.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15
D15A1.....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	7	ET1.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15
D15A2 (CRX HF only).....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	6	ET2.....	1.8L 1829cc SOHC L4 80mm Bore (12 Valve).....	15
D15A2 (Exc. CRX HF).....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	7	EV1.....	1.3L 1342cc SOHC L4 74mm Bore (8 Valve).....	4
D15A3.....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	8	EV2.....	1.3L 1342cc SOHC L4 74mm Bore (8 Valve).....	4
D15B1.....	1.5L 1493cc SOHC L4 75mm Bore (16 Valve).....	9	EW1 (CRX HF only).....	1.5L 1488cc SOHC L4 74mm Bore (8 Valve).....	6
D15B2.....	1.5L 1493cc SOHC L4 75mm Bore (16 Valve).....	9	EW1 (Exc. CRX HF).....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	7
D15B6.....	1.5L 1493cc SOHC L4 75mm Bore (8 Valve).....	10	EW2.....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	7
D15B7.....	1.5L 1493cc SOHC L4 75mm Bore (16 Valve).....	9	EW3.....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	8
D15B8.....	1.5L 1493cc SOHC L4 75mm Bore (8 Valve).....	10	EW4.....	1.5L 1488cc SOHC L4 74mm Bore (12 Valve).....	8
D15Z1.....	1.5L 1493cc SOHC L4 75mm Bore (16 Valve).....	9	F22A1.....	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	21
D16A1.....	1.6L 1590cc DOHC L4 75mm Bore (16 Valve).....	11	F22A4.....	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	21
D16A6.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12	F22A6.....	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	21
D16B5.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12	F22B1.....	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	21
D16Y5.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12	F22B2.....	2.2L 2156cc SOHC L4 85mm Bore (16 Valve).....	21
D16Y7.....	1.6L 1590cc SOHC L4 75mm Bore (16 Valve).....	12			

1 1.2L 1169cc SOHC L4 (8 Valve), 70mm Bore 1973 Eng. Code "EB1" 1973

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	73	222-28	

(continued on next page)

Honda Car

1.2L 1169cc SOHC L4 (8 Valve), 70mm Bore 1973 1					
Eng. Code "EB1" 1973 (cont.)					
	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	73	223-2917	16 Teeth
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	73	ST-2066	Positive type; Rubber
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	73	12161P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-2.80mm Ring Groove, 27.0mm CD, 17.0mm Pin Dia., Recessed Head 0.50mm deep x 60.50mm dia.
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	73	6792M.25MM .25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Thrust Washer Set	73	67341AF Std Only	Position 4
1	Rod Set	73	4-67340CP Std Only	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
1.2L 1238cc SOHC L4 (8 Valve), 72mm Bore 1979-74 2					
Eng. Codes "EB2" 1974-77, "EB3" 1978-79					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	79-74	222-28	16 Teeth
1	Crank Sprocket	79-74	223-2917		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	79-76	R-1069	Incl. arm, screw & nut
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	77-74	ST-2066	Positive type; Rubber
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	79-74	12162P Std-.75MM	Eng. Codes "EB2" & "EB3"; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 27.0mm CD, 17.0mm Pin Dia., Recessed Head 1.40mm deep x 62.00mm dia. - 8.1:1 C.R.
	4	Cast Piston	79-74	12181P.75MM .75MM	Eng. Codes "EB2" & "EB3"; Use w/E-403X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 17.0mm Pin Dia., Domed Head 2.50mm high x 65.00mm dia. - 8.1:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	79-78	E-403X Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79-74	6792M.25MM .25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Thrust Washer Set	79-74	67341AF Std Only	Position 4
1	Rod Set	79-74	4-67340CP Std Only	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
1.3L 1335cc SOHC L4 (8 Valve), 72mm Bore 1983-80 3					
Eng. Codes "EJ1" 1980-83, "EN1" 1980-83					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	83-80	222-73	Incl. arm, screw & nut
QTY	ROCKER PARTS	YEARS	PART NO.		
8	Arm Assy.	83-80	R-1069		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	83-80	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.
4	Guide	83-80	VG-883	Int.; .2550" ID, 1.9600" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	83-80	ST-2066	Int.; Positive type; Rubber
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	81-80	E-403X Std Only	Exc. Calif., Hondamatic and Hi Alt.; 2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83-80	6792M.25MM .25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Thrust Washer Set	83-80	67341AF Std Only	Position 4
1	Rod Set	83-80	4-67340CP Std Only	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	

Honda Car

4 1.3L 1342cc SOHC L4 (8 Valve), 74mm Bore 1987-84 Eng. Codes "D13A1" 1987, "D13A2" 1987, "EV1" 1984-86, "EV2" 1984-86

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	87-86	222-B161	
	1	Timing Belt	85-84	222-99	
	1	Timing Belt Tensioner	87-84	222-126BT	
	1	Timing Belt & Tensioner Set	87-84	BTS-161	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Prelube	87-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	87-84	R-976	"A"
	4	Arm	87-84	R-975	"B"
VALVE TRAIN	2	Arm	87-84	R-974	Aux. "C"
	2	Arm	87-84	R-985	Aux. "D"
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	87-84	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.
	4	Guide	87-84	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	87-84	ST-2067	Exh.; Positive type; Rubber
	4	Valve Stem Seal	87-84	ST-2066	Int.; Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	87-84	VK-235	Exh. & Int.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-85	E-527KC Std Only	Exc. CRX; 1-1.20MM, 1-2.80MM
	1	Premium Set	84	E-527KC Std Only	1-1.20MM, 1-2.80MM
	4	Premium Single Cylinder Set	87-85	WE-527KC Std Only	Exc. CRX; 1-1.20MM, 1-2.80MM
	4	Premium Single Cylinder Set	84	WE-527KC Std Only	1-1.20MM, 1-2.80MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-84	6699MA Std-.25-.50MM	Eng. Codes "D13A2", "EV1" & "EV2"; A-Series aluminum bearings
	1	Main Set	87-84	7041M Std Only	Eng. Codes "EV1" & "EV2"
	1	Thrust Washer Set	87-84	67341AF Std Only	
	1	Rod Set	87-84	4-1510CP Std Only	Eng. Codes "D13A2", "EV1" & "EV2"
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87-84	260-1483	Civic; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	87-84	260-1483	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.

5 1.5L 1488cc SOHC L4 (8 Valve), 74mm Bore 1983-75 Eng. Codes "EC" 1975-79, "ED1" 1975, "ED2" 1975, "ED3" 1976-79, "ED4" 1978-79, "EM1" 1980-83

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	83-76	222-41	
	1	Timing Belt	75	222-36	
	1	Cam Sprocket	79-75	223-590	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Prelube	83-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	83-76	R-1069	Incl. arm, screw & nut
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	83-76	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	83-75	ST-2066	Int.; Positive type; Rubber
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	83-75	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-82	E-438KC Std-.25-.50MM	2-1.20MM, 1-2.80MM
	1	Premium Set	81-75	E-370KC.50MM .50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-82	E-438X Std Only	2-1.20MM, 1-2.80MM
	1	Standard Set	81-75	E-370X Std Only	2-1.50MM, 1-4.00MM
BLOCK	4	Premium Single Cylinder Set	83-82	WE-438KC Std Only	2-1.20MM, 1-2.80MM
	4	Premium Single Cylinder Set	81-75	WE-370KC Std Only	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	81-75	WE-370X Std-.50MM	2-1.50MM, 1-4.00MM

(continued on next page)

Honda Car

1.5L 1488cc SOHC L4 (8 Valve), 74mm Bore 1983-75 5						
Eng. Codes "EC" 1975-79, "ED1" 1975, "ED2" 1975, "ED3" 1976-79, "ED4" 1978-79, "EM1" 1980-83 (cont.)						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	83-75	6793M Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
	1	Thrust Washer Set	83-75	67341AF Std Only	Position 4	
	1	Rod Set	83-75	4-67345CP Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	83-75	381-8032		
1.5L 1488cc SOHC L4 (8 Valve), 74mm Bore 1987-84 6						
Eng. Codes "D15A2" 1987, "EW1" 1985-86						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	87-86	222-B161		
	1	Timing Belt	85	222-99		
	1	Timing Belt Tensioner	87-85	222-126BT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Prelube	87-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	2	Arm	87-84	R-974	Aux. "C"	
	2	Arm	87-84	R-985	Aux. "D"	
	6	Arm	87-84	R-976	Exh. & Int. "A"	
	6	Arm	87-84	R-975	Exh. & Int. "B"	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	87-84	V-2368X Std Only	Nitrided stem; 1.2600" Head Dia., .2579" Stem Dia., 4.4820" O.A.L.	
	8	Intake	87-84	V-2369 Std Only	Chrome plated stem; 1.0630" Head Dia., .2591" Stem Dia., 4.4370" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	87-84	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.	
	8	Guide	87-84	VG-883	Int.; .2550" ID, 1.9600" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
4	Valve Stem Seal	87-84	ST-2067	Exh.; Positive type; Rubber		
4	Valve Stem Seal	87-84	ST-2066	Int.; Positive type; Rubber		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	87-84	VK-235	Exh. & Int.		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-84	E-438KC Std-.25-.50MM	2-1.20MM, 1-2.80MM	
	1	Standard Set	87-84	E-438X Std Only	2-1.20MM, 1-2.80MM	
	4	Premium Single Cylinder Set	87-84	WE-438KC Std Only	2-1.20MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6793M Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	
	1	Thrust Washer Set	87-84	67341AF Std Only	Position 4	
	1	Rod Set	87-84	4-1520CP Std-.25-.50MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-84	260-1483	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	87-84	381-8032			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			205-6157	----
	87	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process			205-6157M	----
		Re-ring w/Mains				

(continued on next page)

Honda Car

6 1.5L 1488cc SOHC L4 (8 Valve), 74mm Bore 1987-84 (cont.) Eng. Codes "D15A2" 1987, "EW1" 1985-86

K I T S	RE-RING KIT (cont.)		PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			
	86-84	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	205-6157	-----	
	86-84	CRX; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process	205-6157M	-----	

7 1.5L 1488cc SOHC L4 (12 Valve), 74mm Bore 1987-84 Eng. Codes "D15A1" 1987, "D15A2" 1987, "EW1" 1984-86, "EW2" 1984-86

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N	
	1	Timing Belt	87-86	222-B161			
	1	Timing Belt	85-84	222-99			
	1	Timing Belt Tensioner	87-84	222-126BT			
	1	Timing Belt & Tensioner Set	86	BTS-161			
	1	Timing Belt & Tensioner Set	84	BTS-161			
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N	
	1	Prelube	87-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
	4	Arm	87-86	R-976	"A"; Calif.		
	4	Arm	87-86	R-975	"B"; Calif.		
	2	Arm	87-86	R-974	Aux. "C"; Calif.		
	2	Arm	87-86	R-985	Aux. "D"; Calif.		
	4	Arm	85	R-976	"A"		
	4	Arm	85	R-975	"B"		
	4	Arm	85	R-974	Aux. "C"		
	4	Arm	85	R-985	Aux. "D"		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	4	Guide	87-84	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.		
	4	Guide	87-84	VG-883	Int.; .2550" ID, 1.9600" O.A.L.		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION			
4	Valve Stem Seal	87-85	ST-2067	Exh.; Positive type; Rubber			
4	Valve Stem Seal	87-85	ST-2066	Int.; Positive type; Rubber			
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION			
4	Exh.	84	245-1375-55	Std Only 1.3820" OD, 1.1200" ID, .3250" Depth			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
16	Keeper	87-84	VK-235	Exh. & Int.			
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K	
	1	Premium Set	87-85	E-512KC	Std Only 1-1.00MM, 1-1.30MM, 1-2.80MM		
	1	Premium Set	86-84	E-438KC	Std.-.25-.50MM 2-1.20MM, 1-2.80MM		
	1	Standard Set	86-84	E-438X	Std Only 2-1.20MM, 1-2.80MM		
	4	Premium Single Cylinder Set	87-85	WE-512KC	Std Only 1-1.00MM, 1-1.30MM, 1-2.80MM		
	4	Premium Single Cylinder Set	86-84	WE-438KC	Std Only 2-1.20MM, 1-2.80MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	87-85	6699MA	Std.-.25-.50MM Eng. Code "EW1"; A-Series aluminum bearings		
	1	Main Set	87-84	7041M	Std Only		
	1	Thrust Washer Set	87-85	67341AF	Std Only Position 4		
1	Rod Set	87-85	4-1520CP	Std.-.25-.50MM			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	87-84	260-1483	Exc. Canada; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	87-84	381-8032				
K I T S	RE-RING KIT				PREMIUM KIT NO. 205-6158M	ECONOMY KIT NO. -----	K I T S
	YEARS	DESCRIPTION					
	87-85	Eng. Code "EW1"; Exc. Canada; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		Re-ring w/Mains			

(continued on next page)

Honda Car

1.5L 1488cc SOHC L4 (12 Valve), 74mm Bore 1987-84 7					
Eng. Codes "D15A1" 1987, "D15A2" 1987, "EW1" 1984-86, "EW2" 1984-86 (cont.)					
KITS	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION		205-6158	----
	87-85	Exc. Canada; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		
	86-85	Exc. Canada; Valve cover gskt. not incl.; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6157	----
1.5L 1488cc SOHC L4 (12 Valve), 74mm Bore 1987-85 8					
Eng. Codes "D15A3" 1987, "EW3" 1985, "EW4" 1986					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt & Tensioner Set	87-86	BTS-161	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	87-85	CS-906	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	87-85	R-976	"A"
	4	Arm	87-85	R-975	"B"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	87-85	V-2559 Std Only	Chrome plated stem; 1.3010" Head Dia., .2580" Stem Dia., 4.4800" O.A.L.
	8	Intake	87-85	V-2369 Std Only	Chrome plated stem; 1.0630" Head Dia., .2591" Stem Dia., 4.4370" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	87-85	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.
	8	Guide	87-85	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	87-85	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	87-85	VK-235	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	87-85	13165P * Std-.25MM	Eng. Codes "EW3", "EW4" & "D15A3"; Use w/E-370KC or E-370X ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 29.8mm CD, 19.0mm Pin Dia., Recessed Head .119" deep x 2.350" dia. w/2 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-85	E-438KC Std-.25-.50MM	2-1.20MM, 1-2.80MM
	1	Premium Set	87-85	E-370KC.50MM .50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	87-85	E-438X Std Only	2-1.20MM, 1-2.80MM
	1	Standard Set	87-85	E-370X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87-85	WE-438KC Std Only	2-1.20MM, 1-2.80MM
	4	Premium Single Cylinder Set	87-85	WE-370KC Std Only	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	87-85	WE-370X Std-.50MM	2-1.50MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-85	7041M Std Only	
	1	Thrust Washer Set	87-85	67341AF Std Only	
	1	Rod Set	87-85	4-1520CP Std-.25-.50MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87-85	260-1805	Exh. pipe to muffler gskt. not incl.; Flexible joint ring not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
1.5L 1493cc SOHC L4 (16 Valve), 75mm Bore 1990-88 9					
Eng. Codes "D15B1" 1988-91, "D15B2" 1988-91, "D15B7" 1992-95, "D15Z1" 1992-95 (VTEC-E)					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-88	222-143	Exc. Eng. Code "D15Z1"
	1	Timing Belt Tensioner	90-88	222-162BT	Exc. Eng. Code "D15Z1"
	1	Timing Belt & Tensioner Set	90-88	BTS-143	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-88	CS-1577	
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	90-88	R-977	Exh. "A"
	2	Arm	90-88	R-980	Exh. "B"
	2	Arm	90-88	R-979	Int. "A"

(continued on next page)

Honda Car

9 1.5L 1493cc SOHC L4 (16 Valve), 75mm Bore 1990-88 (cont.) Eng. Codes "D15B1" 1988-91, "D15B2" 1988-91, "D15B7" 1992-95, "D15Z1" 1992-95 (VTEC-E)					
VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	2	Arm	90-88	R-978	Int. "B"
	1	Rocker Shaft	90-89	RS-685	Exh.; Exc. Eng. Code "D15Z1"
	3	Rocker Shaft	90-89	RS-680	Int. "B" Center; Exc. Eng. Code "D15Z1"
	1	Rocker Shaft	88	RS-685	Exh.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90-88	V-2561 Std Only	Exc. Eng. Code "D15Z1"; Chrome plated stem; .9850" Head Dia., .2150" Stem Dia., 4.6800" O.A.L.
	8	Intake	90-88	V-2560 Std Only	Exc. Eng. Code "D15Z1"; Nitrided stem; 1.1496" Head Dia., .2159" Stem Dia., 4.5276" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-88	VG-797	Exh.; Eng. Codes "D15B1", "D15B2", "D15B6" & "D15B7"; .2173" ID, 2.1260" O.A.L.
VALVE TRAIN	16	Guide	90-88	VG-803	Exh. & Int.; Eng. Code "D15Z1"; .2173" ID, 1.8700" O.A.L.
	8	Guide	90-88	VG-803	Int.; Eng. Codes "D15B1", "D15B2", "D15B6" & "D15B7"; .2173" ID, 1.8700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-88	VS-901	Exh.; 1.9430" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-88	245-1062-50 Std Only	1.0695" OD, .7900" ID, .2540" Depth
	4	Int.	90-88	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-88	VK-245	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-88	H836CP Std-.50-.75-1.00MM	Eng. Code "D15B7"; Hypereutectic; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 30.8mm CD, 19.0mm Pin Dia., Flat Head w/4 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-515KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	90-88	WE-515KC Std-.50MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	6699MA Std-.25-.50MM	A-Series aluminum bearings
	1	Thrust Washer Set	90-88	67341AF Std Only	Position 4
	1	Rod Set	90-88	4-1520CP Std-.25-.50MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Oil Pump	90-88	224-43566	
	1	Screen Assy.	90-88	224-14283	Eng. Codes "D15B1" & "D15B2"
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1485	Eng. Codes "D15B1" & "D15B2"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-88	381-8065	Eng. Code "D15B1"
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	Eng. Codes "D15B1" & "D15B2"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring w/Mains	205-6160M	-----
	90-88	Eng. Codes "D15B1" & "D15B2"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6160	-----
KITS	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	Eng. Codes "D15B1" & "D15B2"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Cam kit & freeze plugs not incl.	Master w/o Pistons	MK-6160A	-----
10 1.5L 1493cc SOHC L4 (8 Valve), 75mm Bore 1990-88 Eng. Codes "D15B6" 1988-91, "D15B8" 1992-95					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90	222-145	CRX	
1	Timing Belt	90-88	222-143		

(continued on next page)

Honda Car

1.5L 1493cc SOHC L4 (8 Valve), 75mm Bore 1990-88 10					
Eng. Codes "D15B6" 1988-91, "D15B8" 1992-95 (cont.)					
VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt Tensioner	90-88	222-162BT	
	1	Timing Belt & Tensioner Set	90	BTS-143	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	90-89	RS-685	Exh.
3	Rocker Shaft	90-89	RS-680	Int. "B" Center	
1	Rocker Shaft	88	RS-685	Exh.	
BLOCK	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-88	V-2561 Std Only	Chrome plated stem; .9850" Head Dia., .2150" Stem Dia., 4.6800" O.A.L.
	4	Intake	90-88	V-2560 Std Only	Nitrided stem; 1.1496" Head Dia., .2159" Stem Dia., 4.5276" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-88	VG-797	Exh.; .2173" ID, 2.1260" O.A.L.
4	Guide	90-88	VG-803	Int.; .2173" ID, 1.8700" O.A.L.	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-88	VK-245	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	6699MA Std-.25-.50MM	A-Series aluminum bearings
	1	Thrust Washer Set	90-88	67341AF Std Only	Position 4
1	Rod Set	90-88	4-1520CP Std-.25-.50MM		
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-88	224-43566	
	1	Screen Assy.	90-88	224-14283	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1788	Eng. Code "D15B6"; Exh. pipe to muffler gskt. not incl.; Flexible joint ring not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-88	381-8065	
	1.6L 1590cc DOHC L4 (16 Valve), 75mm Bore 1989-86 11				
	Eng. Code "D16A1" 1986-89				
	VALVE TRAIN	QTY	TIMING	YEARS	PART NO.
1		Timing Belt	89-86	222-130	
QTY		VALVE	YEARS	PART NO.	DESCRIPTION
8		Exhaust	89-86	V-2624 Std Only	1.0610" Head Dia., .2580" Stem Dia., 4.1270" O.A.L.
8		Intake	89-86	V-2625 Std Only	1.1790" Head Dia., .2590" Stem Dia., 4.1600" O.A.L.
QTY		VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8		Guide	89-88	VG-815	Exh.; .2605" ID, 1.9750" O.A.L.
8		Guide	89-88	VG-814	Int.; .2605" ID, 1.9750" O.A.L.
8		Guide	87	VG-815	Exh.; From Ser. No. 2011330; Calif.; .2605" ID, 1.9750" O.A.L.
8		Guide	87	VG-815	Exh.; From Ser. No. 2235583; Exc. Calif.; .2605" ID, 1.9750" O.A.L.
8		Guide	87	VG-814	Int.; From Ser. No. 2011330; Calif.; .2605" ID, 1.9750" O.A.L.
8		Guide	87	VG-814	Int.; From Ser. No. 2235583; Exc. Calif.; .2605" ID, 1.9750" O.A.L.
8		Guide	87	VG-883	Int.; To Ser. No. 2011329; Calif.; .2550" ID, 1.9600" O.A.L.
8		Guide	87	VG-883	Int.; To Ser. No. 2235582; Exc. Calif.; .2550" ID, 1.9600" O.A.L.
8		Guide	86	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
QTY		VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	87	ST-2149	Exh.; Calif.; From Ser. No. 2011330; Positive type	
8	Valve Stem Seal	87	ST-2084	Exh.; Calif.; From Ser. No. 2011330; Positive type; Rubber	
8	Valve Stem Seal	87	ST-2067	Exh.; Calif.; To Ser. No. 2011329; Positive type; Rubber	
8	Valve Stem Seal	87	ST-2149	Exh.; Exc. Calif.; From Ser. No. 2235583; Positive type	
8	Valve Stem Seal	87	ST-2084	Exh.; Exc. Calif.; From Ser. No. 2235583; Positive type; Rubber	
8	Valve Stem Seal	87	ST-2067	Exh.; Exc. Calif.; To Ser. No. 2235582; Positive type; Rubber	
8	Valve Stem Seal	87	ST-2066	Int.; Calif.; To Ser. No. 2011329; Positive type; Rubber	
8	Valve Stem Seal	87	ST-2066	Int.; Exc. Calif.; To Ser. No. 2235582; Positive type; Rubber	
8	Valve Stem Seal	86	ST-2067	Exh.; Calif.; Positive type; Rubber	
8	Valve Stem Seal	86	ST-2067	Exh.; Exc. Calif.; Positive type; Rubber	
8	Valve Stem Seal	86	ST-2066	Int.; Calif.; Positive type; Rubber	

(continued on next page)

Honda Car

11 1.6L 1590cc DOHC L4 (16 Valve), 75mm Bore 1989-86 (cont.) Eng. Code "D16A1" 1986-89					
BLOCK	QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	86	ST-2066	Int.; Exc. Calif.; Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	89-86	VK-235	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Premium Set	89-86	E-515KC Std.-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	89-86	WE-515KC Std.-.50MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-86	7102M Std.-.25-.50MM	
	1	Thrust Washer Set	89-86	1826AF Std Only	
BLOCK	1	Rod Set	89-86	4-4470P Std.-.25-.50MM	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	89-86	381-8065	
12 1.6L 1590cc SOHC L4 (16 Valve), 75mm Bore 1990-88 Eng. Codes "D16A6" 1988-91, "D16B5" 1998-2000 (CNG), "D16Y5" 1996-2000 (VTEC), "D16Y7" 1996-2000, "D16Y8" 1996-2000 (VTEC), "D16Z6" 1992-95 (VTEC)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-B224	Eng. Code "D16Z6"
	1	Timing Belt	90-88	222-145	
	1	Timing Belt Tensioner	90-88	222-162BT	
	1	Timing Belt & Tensioner Set	90-88	BTS-145	
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	90-88	R-977	Exh. "A"
	4	Arm	90-88	R-980	Exh. "B"
	4	Arm	90-88	R-979	Int. "A"
	4	Arm	90-88	R-978	Int. "B"
VALVE TRAIN	1	Rocker Shaft	90-89	RS-685	Exh.
	3	Rocker Shaft	90-89	RS-680	Int. "B" Center
	1	Rocker Shaft	88	RS-685	Exh.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exhaust	90-88	V-2561 Std Only	Chrome plated stem; .9850" Head Dia., .2150" Stem Dia., 4.6800" O.A.L.
	8	Intake	90-88	V-2560 Std Only	Nitrided stem; 1.1496" Head Dia., .2159" Stem Dia., 4.5276" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90-88	VG-797	Exh.; .2173" ID, 2.1260" O.A.L.
	8	Guide	90-88	VG-803	Int.; .2173" ID, 1.8700" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-88	VS-901	Exh.; 1.9430" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-88	245-1062-50 Std Only	1.0695" OD, .7900" ID, .2540" Depth
	8	Int.	90-88	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	90-88	VK-245	Exh. & Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	90-88	4K13586P Std.-.50-1.00MM	Eng. Code "D16A6"; Cast; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 1.154" CD, 19.0mm Pin Dia., Recessed Head .039" deep x 2.434" dia. w/4 valve reliefs
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-515KC Std.-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	90-88	WE-515KC Std.-.50MM	1-1.20MM, 1-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Main Set	90-88	7102M Std.-.25-.50MM	
	1	Thrust Washer Set	90-88	1826AF Std Only	
	1	Rod Set	90-88	4-4470P Std.-.25-.50MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-88	224-43566	Civic
BLOCK	1	Screen Assy.	90-88	224-14283	Eng. Code "D16A6"
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1485	Eng. Code "D16A6"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-88	381-8065	Eng. Code "D16A6"

(continued on next page)

Honda Car

1.6L 1590cc SOHC L4 (16 Valve), 75mm Bore 1990-88 12					
Eng. Codes "D16A6" 1988-91, "D16B5" 1998-2000 (CNG), "D16Y5" 1996-2000 (VTEC), "D16Y7" 1996-2000, "D16Y8" 1996-2000 (VTEC), "D16Z6" 1992-95 (VTEC) (cont.)					
KITS	RE-RING KIT				KITS
	YEARS	DESCRIPTION			
	90	Eng. Code "D16A6"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	PREMIUM KIT NO. 205-6432 205-6432M	ECONOMY KIT NO. ----- -----
	89-88	Eng. Code "D16A6"; Exh. flexible joint ring not incl.; Exh. pipe to muffler gskt. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6432 205-6432M	----- -----
1.6L 1599cc SOHC L4 (12 Valve), 74mm Bore 1978-76 13					
Eng. Codes "EF1" 1976-78, "EF2" 1976-78, "EG" 1978-79					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	78-76	222-41	
	1	Cam Sprocket	78-76	223-590	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	78-76	R-1069	Incl. arm, screw & nut
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	78-76	VG-747	Exh.; .2605" ID, 2.1600" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	78-76	ST-2066	Int.; Positive type; Rubber
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-76	E-370KC.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	78-76	E-370X Std Only	2-1.50MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	78-76	6793M Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Thrust Washer Set	78-76	67341AF Std Only	Position 4
	1	Rod Set	78-76	4-67345CP Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	78-76	381-8032	
1.8L 1751cc SOHC L4 (12 Valve), 77mm Bore 1983-79 14					
Eng. Code "EK1" 1979-83					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	83-79	222-41	
	1	Cam Sprocket	82-79	223-590	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	81-79	R-1069	Incl. arm, screw & nut
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	83-79	VG-748	Exh.; .2770" ID, 2.1700" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	83-79	ST-2058	Exh.; Positive type; Rubber
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	82	12325P1.00MM 1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 27.5mm CD, 18.0mm Pin Dia., Recessed Head 1.30mm deep
	4	Cast Piston	80	12325P1.00MM 1.00MM	Eng. Code "EK1"; Calif.; w/A/T; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 27.5mm CD, 18.0mm Pin Dia., Recessed Head 1.30mm deep
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-79	E-402KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-79	E-402X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-79	WE-402KC Std-.50MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	83-79	WE-402X Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83-79	6793M Std-.25MM	Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	1	Thrust Washer Set	83-79	67341AF Std Only	Position 4

(continued on next page)

Honda Car

14 1.8L 1751cc SOHC L4 (12 Valve), 77mm Bore 1983-79 (cont.) Eng. Code "EK1" 1979-83					
BLOCK	QTY	ENGINE BEARINGS (cont.) Rod Set	YEARS 83-79	PART NO. 4-67345CP Std-.25MM	DESCRIPTION Undersize brgs. can be used, but the surface hardness of the crankshaft should be restored after grinding through a suitable heat treatment process
	QTY	OIL PUMP Oil Pump	YEARS 82	PART NO. 224-41989	DESCRIPTION Prelude; w/A/T; 2 stage pump w/rotor thicknesses of .787" & .393"
	1	Oil Pump	81-79	224-41989	2 stage pump w/rotor thicknesses of .787" & .393"
	QTY	FREEZE PLUGS Brass Block Plug Kit	YEARS 83-79	PART NO. 381-8032	DESCRIPTION
15 1.8L 1829cc SOHC L4 (12 Valve), 80mm Bore 1987-83 Eng. Codes "A18A1" 1987, "A18A2" 1987, "ES1" 1983, "ES2" 1984-85, "ES3" 1985, "ET1" 1984-85, "ET2" 1984-86					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	87-86	222-B160	
	1	Timing Belt	85-83	222-94	
	1	Timing Belt Tensioner	87-84	222-163BT	Exc. Hi Alt.
	1	Timing Belt & Tensioner Set	87-83	BTS-160	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	85-84	CS-847	Eng. Code "ES3"
	1	Prelube	87-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Flwr. Kit	85-84	KC-847	Eng. Code "ES3"; Incl. (1) CS-847, (6) R-1000, (6) R-999, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm	87-84	R-1000	"A"
	6	Arm	87-84	R-999	"B"
	4	Arm	83	R-1000	"A"; From Ser. No. 1002527; Calif.
	4	Arm	83	R-1000	"A"; From Ser. No. 1510625; Exc. Calif. & Hi Alt.
	4	Arm	83	R-1000	"A"; From Ser. No. 1900370; Hi Alt.
	4	Arm	83	R-979	"A"; To Ser. No. 1510624; Exc. Calif. & Hi Alt.
	4	Arm	83	R-999	"B"; From Ser. No. 1002527; Calif.
	4	Arm	83	R-999	"B"; From Ser. No. 1510625; Exc. Calif. & Hi Alt.
	4	Arm	83	R-999	"B"; From Ser. No. 1900370; Hi Alt.
	4	Arm	83	R-978	"B"; To Ser. No. 1002526; Calif.
	4	Arm	83	R-979	"B"; To Ser. No. 1002526; Calif.
	4	Arm	83	R-978	"B"; To Ser. No. 1510624; Exc. Calif. & Hi Alt.
	4	Arm	83	R-978	"B"; To Ser. No. 1900369; Hi Alt.
	4	Arm	83	R-979	"B"; To Ser. No. 1900369; Hi Alt.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	87-83	V-2366X Std Only	Chrome plated stem; 1.3780" Head Dia., .2734" Stem Dia., 4.7560" O.A.L.
	4	Intake	87-86	V-3938 Std Only	Nitrided stem; 1.1810" Head Dia., .2591" Stem Dia., 4.7420" O.A.L.
	4	Intake	85-84	V-3938 Std Only	Eng. Codes "ES3" & "ET2"; Nitrided stem; 1.1810" Head Dia., .2591" Stem Dia., 4.7420" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	87-83	VG-748	Exh.; .2770" ID, 2.1700" O.A.L.
	4	Guide	87-83	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	87-83	ST-2058	Exh.; Positive type; Rubber
	4	Valve Stem Seal	87-83	ST-2066	Int.; Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	87-83	VK-235	Int.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	87-83	13162P Std Only	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 29.8mm CD, 20.0mm Pin Dia., Recessed Head .047" deep x 2.820" dia.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-83	E-554KC Std Only	2-1.50MM, 1-4.00MM
	1	Standard Set	87-83	E-554X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87-83	WE-554KC Std Only	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	87-83	7035M Std-.25-.50MM		
1	Thrust Washer Set	87-83	67341AF Std Only	Position 4	
1	Rod Set	87-83	4-1495CP Std-.25-.50MM		

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Honda Car

1.8L 1829cc SOHC L4 (12 Valve), 80mm Bore 1987-83 15																								
Eng. Codes "A18A1" 1987, "A18A2" 1987, "ES1" 1983, "ES2" 1984-85, "ES3" 1985, "ET1" 1984-85, (cont.) "ET2" 1984-86																								
BLOCK	QTY 1	OIL PUMP Oil Pump	YEARS 87-83	PART NO. 224-41964	DESCRIPTION																			
	QTY 1	GASKETS Kit Gasket Set	YEARS 85-84	PART NO. 260-1486	DESCRIPTION Eng. Code "ES2"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.																			
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 87-83	PART NO. 381-8065	DESCRIPTION																			
<table><tr><th colspan="2">RE-RING KIT</th><th></th><th></th><th>PREMIUM KIT NO.</th><th>ECONOMY KIT NO.</th></tr><tr><th>YEARS</th><th>DESCRIPTION</th><th></th><th></th><th></th><th></th></tr><tr><td>85-84</td><td>Eng. Code "ES2"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.</td><td>Re-ring</td><td>Re-ring w/Mains</td><td>205-6161 205-6161M</td><td>----- -----</td></tr></table>							RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	YEARS	DESCRIPTION					85-84	Eng. Code "ES2"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6161 205-6161M	----- -----
RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.																			
YEARS	DESCRIPTION																							
85-84	Eng. Code "ES2"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6161 205-6161M	----- -----																			
1.8L 1834cc DOHC L4 (16 Valve), 81mm Bore 1990 16																								
Eng. Codes "B18A1" 1990-93, "B18B1" 1994-2001																								
VALVE TRAIN	QTY 1	TIMING Timing Belt	YEARS 90	PART NO. 222-B184	DESCRIPTION																			
	1	Timing Belt Tensioner	90	222-262BT																				
	QTY 16	ROCKER PARTS Arm	YEARS 90	PART NO. R-998	DESCRIPTION																			
	QTY 8	VALVE Exhaust	YEARS 90	PART NO. V-2547 Std Only	DESCRIPTION Nitrided stem; 1.1024" Head Dia., .2578" Stem Dia., 4.1730" O.A.L.																			
	QTY 8	VALVE GUIDE Guide	YEARS 90	PART NO. VG-815	DESCRIPTION Exh.; .2605" ID, 1.9750" O.A.L.																			
	8	Guide	90	VG-814	Int.; .2605" ID, 1.9750" O.A.L.																			
	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 90	PART NO. ST-2149	DESCRIPTION Exh. & Int.; Positive type																			
BLOCK	QTY 4	VALVE SEAT	YEARS 90	PART NO. 245-1312-64 Std Only	DESCRIPTION 1.3190" OD, 1.0450" ID, .3165" Depth																			
	QTY 32	VALVE, MISC Keeper	YEARS 90	PART NO. VK-235	DESCRIPTION																			
	QTY 1	PISTON Cast Piston Set w/Prem. Rings	YEARS 90	PART NO. 4K13584P Std Only	DESCRIPTION Cast; 1-1.00mm, 1-1.20mm, 1-2.00mm Ring Groove, 1.169" CD, .8270" Pin Dia., Recessed Head .068" deep x 2.624" dia. w/4 valve reliefs																			
	QTY 1	RINGS Premium Set	YEARS 90	PART NO. E-646KC Std-.50-1.00MM	DESCRIPTION 1-1.00MM, 1-1.20MM, 1-2.80MM																			
	QTY 1	ENGINE BEARINGS Main Set	YEARS 90	PART NO. 7324M Std-.25MM	DESCRIPTION																			
	1	Thrust Washer Set	90	1828F Std Only																				
	1	Rod Set	90	4-1495CP Std-.25-.50MM																				
QTY 1	OIL PUMP Oil Pump	YEARS 90	PART NO. 224-41997	DESCRIPTION																				
QTY 1	GASKETS Kit Gasket Set	YEARS 90	PART NO. 260-1760	DESCRIPTION Eng. Codes "B18A1" & "B18B1"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.																				
<table><tr><th colspan="2">RE-RING KIT</th><th></th><th></th><th>PREMIUM KIT NO.</th><th>ECONOMY KIT NO.</th></tr><tr><th>YEARS</th><th>DESCRIPTION</th><th></th><th></th><th></th><th></th></tr><tr><td>90</td><td>Eng. Codes "B18A1" & "B18B1"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.</td><td>Re-ring</td><td>Re-ring w/Mains</td><td>205-6874 205-6874M</td><td>----- -----</td></tr></table>							RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	YEARS	DESCRIPTION					90	Eng. Codes "B18A1" & "B18B1"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6874 205-6874M	----- -----
RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.																			
YEARS	DESCRIPTION																							
90	Eng. Codes "B18A1" & "B18B1"; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6874 205-6874M	----- -----																			
2.0L 1955cc SOHC L4 (12 Valve), 82.7mm Bore 1989-85 17																								
Eng. Codes "A20A1" 1987-89, "A20A2" 1987, "A20A3" 1987-89, "A20A4" 1987, "BS1" 1986, "BS2" 1986, "BT1" 1985, "BT2" 1986																								
	QTY 1	TIMING Timing Belt	YEARS 89-86	PART NO. 222-B160	DESCRIPTION																			
	1	Timing Belt	85	222-94	Eng. Code "BT"																			
	1	Timing Belt Tensioner	89-85	222-163BT																				
	1	Timing Belt & Tensioner Set	89-85	BTS-160																				
	QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS 89-85	PART NO. CS-847	DESCRIPTION																			

(continued on next page)

Honda Car

17 2.0L 1955cc SOHC L4 (12 Valve), 82.7mm Bore 1989-85
 (cont.) Eng. Codes "A20A1" 1987-89, "A20A2" 1987, "A20A3" 1987-89, "A20A4" 1987, "BS1" 1986, "BS2" 1986, "BT1" 1985, "BT2" 1986

VALVE TRAIN	QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Prelube	89-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Flwr. Kit	89-85	KC-847	Incl. (1) CS-847, (6) R-1000, (6) R-999, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	89-85	R-999	Exh. "B"
	4	Arm	89-85	R-1000	Int. "A"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	89-85	V-2366X Std Only	Chrome plated stem; 1.3780" Head Dia., .2734" Stem Dia., 4.7560" O.A.L.
	4	Intake	89-85	V-3938 Std Only	Nitrided stem; 1.1810" Head Dia., .2591" Stem Dia., 4.7420" O.A.L.
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	89-85	VG-748	Exh.; .2770" ID, 2.1700" O.A.L.
	4	Guide	89-85	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	4	Spring	89-87	VS-894	Exh. Inner; 1.6770" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	89-85	ST-2058	Exh.; Positive type; Rubber
	4	Valve Stem Seal	89-85	ST-2066	Int.; Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	89-85	VK-235	Int.
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89-88	13502P Std Only	Eng. Code "A20A1"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston	89-88	13502P Std Only	Eng. Code "A20A3"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston	87	13502P Std Only	Eng. Codes "A20A1" & "A20A2"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston	87	13502P Std Only	Eng. Codes "A20A3" & "A20A4"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston	86	13502P Std Only	Eng. Code "BS1"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston	86	13502P Std Only	Eng. Codes "BS2" & "BT2"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	89-88	W13502P Std Only	Eng. Code "A20A1"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	89-88	W13502P Std Only	Eng. Code "A20A3"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	87	W13502P Std Only	Eng. Codes "A20A1" & "A20A2"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	87	W13502P Std Only	Eng. Codes "A20A3" & "A20A4"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	86	W13502P Std Only	Eng. Code "BS1"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	86	W13502P Std Only	Eng. Codes "BS2" & "BT2"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 30.0mm CD, 20.0mm Pin Dia., Recessed Head 2.50mm deep x 70.00mm dia. w/4 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-85	E-526KC Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-85	WE-526KC Std Only	2-1.50MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-85	7035M Std.-25-.50MM	Position 4
	1	Thrust Washer Set	89-85	67341AF Std Only	Position 4

(continued on next page)

Honda Car

2.0L 1955cc SOHC L4 (12 Valve), 82.7mm Bore 1989-85 17						
Eng. Codes "A20A1" 1987-89, "A20A2" 1987, "A20A3" 1987-89, "A20A4" 1987, "BS1" 1986, "BS2" 1986, "BT1" 1985, "BT2" 1986 (cont.)						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	(cont.) Rod Set	89-85	4-1495CP	Std-.25-.50MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	89-86	224-41964		
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	89-85	260-1488	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-85	381-8065		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-85	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6163	----
			Re-ring w/Mains		205-6163M	----
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-86	Exh. pipe packing not incl.; Freeze plugs not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6163A	----
2.0L 1958cc DOHC L4 (16 Valve), 81mm Bore 1990-88 18						
Eng. Code "B20A5" 1988-91						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-88	222-142		
	1	Timing Belt Tensioner	90-88	222-202BT		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm	90-88	R-998		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90-88	V-2547	Std Only Nitrided stem; 1.1024" Head Dia., .2578" Stem Dia., 4.1730" O.A.L.	
	8	Intake	90-88	V-2548	Std Only Nitrided stem; 1.2990" Head Dia., .2590" Stem Dia., 4.1100" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-88	VG-815	Exh.; .2605" ID, 1.9750" O.A.L.	
	8	Guide	90-88	VG-814	Int.; .2605" ID, 1.9750" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90-88	ST-2067	Exh.; Positive type; Rubber	
	8	Valve Stem Seal	90-88	ST-2066	Int.; Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	90-88	245-1375-55	Std Only 1.3820" OD, 1.1200" ID, .3250" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	90-88	VK-235	Int.		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-88	E-517KC	Std-.50MM 1-1.20MM, 1-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	90-88	WE-517KC	Std Only 1-1.20MM, 1-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-88	7102M	Std-.25-.50MM	
	1	Thrust Washer Set	90-88	1826AF	Std Only	
	1	Rod Set	90-88	4-1825CP	Std-.25-.50-.75MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90-88	224-41965			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-88	381-8065			
2.0L 1958cc SOHC L4 (12 Valve), 81mm Bore 1990-88 19						
Eng. Code "B20A3" 1988-90						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Timing Belt Tensioner	90-88	222-202BT			
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
4	Arm	90-88	R-1000	"A"		
4	Arm	90-88	R-999	"B"		

(continued on next page)

Honda Car

19 2.0L 1958cc SOHC L4 (12 Valve), 81mm Bore 1990-88

(cont.) Eng. Code "B20A3" 1988-90

QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	Exhaust	90-88	V-2366X Std Only	Chrome plated stem; 1.3780" Head Dia., .2734" Stem Dia., 4.7560" O.A.L.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	Intake	90-88	V-3938 Std Only	Nitrided stem; 1.1810" Head Dia., .2591" Stem Dia., 4.7420" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	Guide	90-88	VG-748	Exh.; .2770" ID, 2.1700" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	Guide	90-88	VG-883	Int.; .2550" ID, 1.9600" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	Spring	90-88	VS-894	Exh. Inner; 1.6770" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	Keeper	90-88	VK-235	Int.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	Premium Set	90-88	E-517KC Std-.50MM	1-1.20MM, 1-1.50MM, 1-2.80MM
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	Premium Single Cylinder Set	90-88	WE-517KC Std Only	1-1.20MM, 1-1.50MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Main Set	90-88	7102M Std-.25-.50MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Thrust Washer Set	90-88	1826AF Std Only	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Rod Set	90-88	4-1495CP Std-.25-.50MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	Oil Pump	90-88	224-41965	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	Brass Block Plug Kit	90-88	381-8065	

20 2.1L 2056cc DOHC L4 (16 Valve), 83mm Bore 1990

Eng. Code "B21A1" 1990-91

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Timing Belt	90	222-142	
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Timing Belt Tensioner	90	222-202BT	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	Arm	90	R-998	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	Exhaust	90	V-2638 Std Only	Chrome plated stem; 1.1000" Head Dia., .2560" Stem Dia., 4.1250" O.A.L.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	Intake	90	V-2548 Std Only	Nitrided stem; 1.2990" Head Dia., .2590" Stem Dia., 4.1100" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	Guide	90	VG-815	Exh.; .2605" ID, 1.9750" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	Guide	90	VG-814	Int.; .2605" ID, 1.9750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	Spring	90	VS-1425	Exh. Outer; 1.8100" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	Valve Stem Seal	90	ST-2149	Positive type
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	Valve Stem Seal	90	ST-2084	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	Int.	90	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	Keeper	90	VK-235	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	Premium Set	90	E-555KC Std-.50MM	2-1.20MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Main Set	90	7102M Std-.25-.50MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Thrust Washer Set	90	1826AF Std Only	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	Rod Set	90	4-1825CP Std-.25-.50-.75MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	Oil Pump	90	224-41965	

21 2.2L 2156cc SOHC L4 (16 Valve), 85mm Bore 1990

Eng. Codes "F22A1" 1990-96, "F22A4" 1990-91, "F22A6" 1991-93, "F22B1" 1994-97 (VTEC), "F22B2" 1994-97

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Timing Belt	90	222-B187	Exc. Eng. Code "F22B1"; 113 Teeth
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Timing Belt Tensioner	90	222-203BT	
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Timing Belt & Tensioner Set	90	BTS-187 *	
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	Bal. Shaft Belt	90	222-B186	70 Teeth

(continued on next page)

Honda Car

2.2L 2156cc SOHC L4 (16 Valve), 85mm Bore 1990 **21**

Eng. Codes "F22A1" 1990-96, "F22A4" 1990-91, "F22A6" 1991-93, "F22B1" 1994-97 (VTEC), "F22B2" (cont.) 1994-97

V A L V E T R A I N	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Bal. Shaft Belt Tensioner	90	222-204BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90	CS-1578	Exc. Eng. Code "F22B1"
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90	R-1012	Exh.
	4	Arm	90	R-1010	Int. "A"
	4	Arm	90	R-1011	Int. "B"
	1	Rocker Shaft	90	RS-701	Exh.
	2	Rocker Shaft	90	RS-703	Int. "A"
	3	Rocker Shaft	90	RS-702	Int. "B"
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90	V-2565X Std Only	Chrome plated stem; 1.1420" Head Dia., .2148" Stem Dia., 4.8620" O.A.L.
	8	Intake	90	V-2566 Std Only	Chrome plated stem; 1.3390" Head Dia., .2150" Stem Dia., 4.4100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90	VG-797	Exh.; .2173" ID, 2.1260" O.A.L.
	8	Guide	90	VG-803	Int.; .2173" ID, 1.8700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90	VS-957	Exh.; 2.1600" Free Height
	8	Spring	90	VS-1418	Int.; 2.2100" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90	ST-2124	Exh. & Int.; Positive type; Viton®
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90	245-1375-65 Std Only	1.3750" OD, 1.1650" ID, .3100" Depth
	8	Int.	90	245-1250-64 Std Only	1.2500" OD, .9700" ID, .2700" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90	VK-245	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90	H828P Std-.50-.75-1.00MM	Hypereutectic; 2-1.20mm, 1-2.80mm Ring Groove, 1.203" CD, .8664" Pin Dia., Recessed Head .145" deep x 2.935" dia.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-556KC Std-.50-.75-1.00MM	2-1.20MM, 1-2.80MM
	4	Premium Single Cylinder Set	90	WE-556KC Std Only	2-1.20MM, 1-2.80MM
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90	7103M Std-.25-.50MM	
	1	Thrust Washer Set	90	1203BF Std Only	Position 4
	1	Rod Set	90	4-1825CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-41977	
	1	Screen Assy.	90	224-14285	Exc. Eng. Codes "F22A6" & "F22B1"
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1734	Eng. Code "F22A4"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90	260-1733	Eng. Codes "F22A1" & "F22A6"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Eng. Codes "F22A1" & "F22A6"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6420 205-6420M	----- -----
	90	Eng. Code "F22A4"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6423 205-6423M	----- -----
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Eng. Code "F22A4"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block	BK-6275	-----

(continued on next page)

Honda Car

21 2.2L 2156cc SOHC L4 (16 Valve), 85mm Bore 1990 (cont.) Eng. Codes "F22A1" 1990-96, "F22A4" 1990-91, "F22A6" 1991-93, "F22B1" 1994-97 (VTEC), "F22B2" 1994-97				
	OVERHAUL KIT (cont.) YEARS DESCRIPTION 90 Eng. Codes "F22A1" & "F22A6"; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl. Block			PREMIUM KIT NO. BK-6276 ECONOMY KIT NO. -----
22 2.5L 2494cc SOHC V6 (24 Valve), 84mm Bore 1987-86 Eng. Code "C25A1" 1986-87				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	87-86	222-129	
1	Timing Belt Tensioner	87-86	222-198BT	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
12	Exhaust	87-86	V-2627 Std Only	1.0830" Head Dia., .2578" Stem Dia., 4.2000" O.A.L.
12	Intake	87-86	V-2548 Std Only	Nitrided stem; 1.2990" Head Dia., .2590" Stem Dia., 4.1100" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	87-86	ST-2149	Exh.; Positive type
12	Valve Stem Seal	87-86	ST-2084	Exh.; Positive type; Rubber
12	Valve Stem Seal	87-86	ST-2066	Int.; Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
48	Keeper	87-86	VK-235	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	87-86	4481F Std Only	
1	Rod Set	87-86	6-4480P Std Only	
23 2.7L 2675cc SOHC V6 (24 Valve), 87mm Bore 1990-87 Eng. Codes "C27A1" 1987-90, "C27A4" 1995-97				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-87	222-129	
1	Timing Belt Tensioner	90-87	222-198BT	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
12	Exhaust	90-88	V-2547 Std Only	Nitrided stem; 1.1024" Head Dia., .2578" Stem Dia., 4.1730" O.A.L.
12	Exhaust	90-88	V-2627 Std Only	1.0830" Head Dia., .2578" Stem Dia., 4.2000" O.A.L.
12	Exhaust	87	V-2627 Std Only	1.0830" Head Dia., .2578" Stem Dia., 4.2000" O.A.L.
12	Intake	90-87	V-2548 Std Only	Nitrided stem; 1.2990" Head Dia., .2590" Stem Dia., 4.1100" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
48	Keeper	90-87	VK-235	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-87	E-631KC Std Only	2-1.20MM, 1-4.00MM
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-88	224-43422	w/Switch

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
2.2L 132 OHV L4 3.25" Bore (8 Valve) L/D Truck....		1	4.3L 264 OHV L6 3.6875" Bore (12 Valve) L/D Truck.....	1968-59 16
2.5L 152 OHV L4 3.875" Bore (8 Valve) L/D Truck..	1968-61	2	4.3L 266 OHV V8 3.625" Bore (16 Valve) L/D Truck.....	1972-59 17
2.9L 175 L-HEAD L6 3" Bore (12 Valve) L/D Truck .		3	4.4L 269 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	 18
3.2L 193 L-HEAD L6 3.25" Bore (12 Valve) L/D Truck.....		4	5.0L 304 OHV V8 3.875" Bore (16 Valve) L/D Truck.....	1980-60 19
3.2L 196 OHV L4 4.125" Bore (8 Valve) L/D Truck..	1980-67	5	5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck.....	1980-67 20
3.2L 198 (3246cc) OHV Diesel L6 83mm Bore (12 Valve) (Nissan Eng.) L/D Truck	1980-77	6	5.6L 345 OHV V8 3.875" Bore (16 Valve) L/D Truck.....	1980-67 21
3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) L/D Truck.....		7	5.6L 345 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck.....	1980-67 22
3.6L 220 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	1968-50	8	5.9L 361 OHV L6 4.125" Bore (12 Valve) L/D Truck.....	 23
3.8L 232 OHV L6 3.75" Bore (Hi Torque) (AMC Eng.) L/D Truck.....	1972-69	9	6.4L 392 OHV V8 4.125" Bore (16 Valve) L/D Truck.....	1975-68 24
3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) L/D Truck.....		10	6.6L 401 OHV L6 4.125" Bore (12 Valve) L/D Truck.....	1969-49 25
3.9L 240 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	1968-58	11	6.6L 401 OHV V8 4.165" Bore (AMC Eng.) L/D Truck.....	1974 26
4.0L 242 OHV L6 3.375" Bore (12 Valve) L/D Truck.....		12	7.3L 444 OHV Diesel V8 4.1102" Bore (IDI) L/D Truck.....	1989 27
4.1L 250 OHV L6 3.4375" Bore (12 Valve) L/D Truck.....		13		
4.2L 258 OHV L6 3.75" Bore (AMC Eng.) L/D Truck.....	1974-72	14		
4.3L 260 OHV L6 3.5" Bore (12 Valve) L/D Truck....		15		

Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
BD220.....	3.6L 220 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	8	V304E.....	5.0L 304 OHV V8 3.875" Bore (16 Valve) L/D Truck..... 19
BD240.....	3.9L 240 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	11	V304E LPG.....	5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck..... 20
BD264.....	4.3L 264 OHV L6 3.6875" Bore (12 Valve) L/D Truck.....	16	V345.....	5.6L 345 OHV V8 3.875" Bore (16 Valve) L/D Truck..... 21
BG220.....	3.6L 220 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	8	V345 LPG.....	5.6L 345 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck..... 22
BG241.....	3.9L 240 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	11	V345E.....	5.6L 345 OHV V8 3.875" Bore (16 Valve) L/D Truck..... 21
BG264.....	4.3L 264 OHV L6 3.6875" Bore (12 Valve) L/D Truck.....	16	V345E LPG.....	5.6L 345 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck..... 22
BG265.....	4.3L 264 OHV L6 3.6875" Bore (12 Valve) L/D Truck.....	16	V392.....	6.4L 392 OHV V8 4.125" Bore (16 Valve) L/D Truck..... 24
B152.....	2.5L 152 OHV L4 3.875" Bore (8 Valve) L/D Truck.....	2	V392E.....	6.4L 392 OHV V8 4.125" Bore (16 Valve) L/D Truck..... 24
SD220.....	3.6L 220 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	8	V400.....	6.6L 401 OHV V8 4.165" Bore (AMC Eng.) L/D Truck..... 26
SD240.....	3.9L 240 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	11	4-152.....	2.5L 152 OHV L4 3.875" Bore (8 Valve) L/D Truck..... 2
SD264.....	4.3L 264 OHV L6 3.6875" Bore (12 Valve) L/D Truck.....	16	4-196.....	3.2L 196 OHV L4 4.125" Bore (8 Valve) L/D Truck..... 5
U220.....	3.6L 220 OHV L6 3.5625" Bore (12 Valve) L/D Truck.....	8	4-196E.....	3.2L 196 OHV L4 4.125" Bore (8 Valve) L/D Truck..... 5
V266.....	4.3L 266 OHV V8 3.625" Bore (16 Valve) L/D Truck.....	17	6-232.....	3.8L 232 OHV L6 3.75" Bore (Hi Torque) (AMC Eng.) L/D Truck..... 9
V304.....	5.0L 304 OHV V8 3.875" Bore (16 Valve) L/D Truck.....	19	6-258.....	4.2L 258 OHV L6 3.75" Bore (AMC Eng.) L/D Truck..... 14
V304 LPG.....	5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) L/D Truck.....	20	7.3L Diesel.....	7.3L 444 OHV Diesel V8 4.1102" Bore (IDI) L/D Truck..... 27

2.2L 132 OHV L4 (8 Valve), 3.25" Bore L/D Truck FC, FC132, FK132 Engs.					1
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Pin Bushing		9629X	Bushing w/1/16" dia. oil hole	
2.5L 152 OHV L4 (8 Valve), 3.875" Bore 1968-61 L/D Truck B152, 4-152 Engs.					2
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Gear Set	68-61	221-3336S		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	68-61	HT-855 Std Only	Hyd.	
8	Lifter, Bulk	68-61	HT-855B Std Only	Hyd.; Carton of 96	

(continued on next page)

IHC Truck

2 2.5L 152 OHV L4 (8 Valve), 3.875" Bore 1968-61 (cont.) L/D Truck B152, 4-152 Engs.					
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	68-61	RP-3131	Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	68-61	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	68-61	V-2524X Std Only	Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L.
	4	Intake	68-61	V-2525 Std Only	Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	68-61	VS-693	Incl. damper; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	68-61	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
BLOCK	8	Valve Stem Seal	68-61	MV-1233C	O-Ring; Rubber
	8	Valve Stem Seal Bulk	68-61	MV-1233	O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk	68-61	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	68-61	VK-138	1 groove; Square cut key groove
	16	Keeper	68-61	VK-138R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk	68-61	VK-138B	1 groove; Square cut key groove; Carton of 1000
	4	Rotocap	68-61	RC-126S	Exh.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	68-61	H1117CP Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
BLOCK	4	Cast Piston - Individual	68-61	WH1117CP * Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	68-61	SL-20Y Std Only	1/8" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-61	4070M Std-10-20-30	
	4	Rod Pair	68-61	2800P Std-10	
	1	Cam Set	68-61	1218M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-61	224-41187	Repl. O.E. No. 151075R93
	1	Pump Repair Kit	68-61	224-51187	
3 2.9L 175 L-HEAD L6 (12 Valve), 3" Bore L/D Truck					
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		9219X	Full round bushing w/1.110" length
	6	Pin Bushing		9219V	Split type bushing w/1.120" length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Cam Set		1091M Std Only	
4 3.2L 193 L-HEAD L6 (12 Valve), 3.25" Bore L/D Truck HD Eng.					
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		9219X	Full round bushing w/1.110" length
	6	Pin Bushing		9219V	Split type bushing w/1.120" length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Cam Set		1091M Std Only	
5 3.2L 196 OHV L4 (8 Valve), 4.125" Bore 1980-67 L/D Truck 4-196, 4-196E Engs.					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	80-67	221-3336S	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	80-67	HT-855 Std Only	Hyd.
	8	Lifter, Bulk	80-67	HT-855B Std Only	Hyd.; Carton of 96

(continued on next page)

IHC Truck

3.2L 196 OHV L4 (8 Valve), 4.125" Bore 1980-67 5 L/D Truck 4-196, 4-196E Engs. (cont.)					
VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	80-67	RP-3133	Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L.
	8	Push Rod	80-67	RP-3132	Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L.
	8	Push Rod, Bulk	80-67	BRP-3133	Ball & ball type ends; Use w/boat type rocker arms; Carton of 100; 9.7790" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	80-67	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	80-67	V-1834X Std Only	1.7340" Head Dia., .4145" Stem Dia., 5.4800" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	80-67	VG-646	Exh.; .4180" ID, 2.9060" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	80-67	VS-693	Incl. damper; 2.0500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	80-67	MV-1233C	O-Ring; Rubber	
8	Valve Stem Seal Bulk	80-67	MV-1233	O-Ring; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	80-67	VK-138	1 groove; Square cut key groove	
16	Keeper	80-67	VK-138R	1 groove; Square cut key groove; Hardened	
16	Keeper, Bulk	80-67	VK-138B	1 groove; Square cut key groove; Carton of 1000	
4	Rotocap	80-67	RC-126S		
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-67	4070M Std-10-20-30	
	4	Rod Pair	80-67	2800P Std-10	
	1	Cam Set	80-67	1218M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	80-71	224-41187	Exc. Scout II; Repl. O.E. No. 151075R93	
1	Oil Pump	70-67	224-41187	Exc. Scout; Repl. O.E. No. 151075R93	
1	Pump Repair Kit	80-67	224-51187		
3.2L 198 (3246cc) OHV Diesel L6 (12 Valve), 83mm Bore (Nissan Eng.) 1980-77 6 L/D Truck Eng. Codes "SD33", "6-33"					
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	80-77	6-67264Y	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	80-77	67261BF Std Only	Position 2	
1	Rod Set	80-77	6-67260CP Std-.75MM		
3.5L 214 L-HEAD L6 (12 Valve), 3.3125" Bore 7 L/D Truck					
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper		VK-66	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		9219X	Full round bushing w/1.110" length
	6	Pin Bushing		9219V	Split type bushing w/1.120" length
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve		SL-12M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Cam Set		1091M Std Only		
3.6L 220 OHV L6 (12 Valve), 3.5625" Bore 1968-50 8 L/D Truck BD220, BG220, SD220, U220 Engs.					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	68-50	AT-2041 Std Only	Mech.; .997" dia. body
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	68-50	V-1327X Std Only	Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L.
	6	Intake	68-50	V-1542 Std Only	1.6560" Head Dia., .3720" Stem Dia., 5.0860" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	68-50	VG-499	.3760" ID, 2.4100" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	68-50	VS-547	Rototype; Free valve; 2.2650" Free Height	

(continued on next page)

IHC Truck

8 3.6L 220 OHV L6 (12 Valve), 3.5625" Bore 1968-50
(cont.) L/D Truck BD220, BG220, SD220, U220 Engs.

VALVE TRAIN	QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
	12	Spring	68-50	VS-389	2.6870" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	68-50	ST-2002	Installation requires valve guide machining; Polyacrylate
	6	Valve Stem Seal	68-50	MV-1233C	Int.; "A" & "B" Series; O-Ring; Rubber
	12	Valve Stem Seal Bulk	68-50	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	6	Valve Stem Seal Bulk	68-50	MV-1233	Int.; "A" & "B" Series; O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	68-50	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	6	Int.	68-50	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	68-50	VK-138	w/o Rototype Free valve; 1 groove; Square cut key groove
	24	Keeper	68-50	VK-138R	w/o Rototype Free valve; 1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	68-50	VK-138B	w/o Rototype Free valve; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	68-60	933P Std-30-40-60	Eng. Codes "BD220" & "BG220"; Cast; Standard altitude; 1-3/32", 1-1/8", 1-3/16" Ring Groove, 2.500 plus .525 step" CD, .8749" Pin Dia., Step Head w/2 valve reliefs
	6	Cast Piston - Individual	68-60	W933P Std-30-40-60	Eng. Codes "BD220" & "BG220"; Cast; Standard altitude; 1-3/32", 1-1/8", 1-3/16" Ring Groove, 2.500 plus .525 step" CD, .8749" Pin Dia., Step Head w/2 valve reliefs
	6	Pin Bushing	68-60	1579V	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	68	677X Std Only	Eng. Code "SD220"; To Ser. No. 261932; 1-3/32, 2-1/8, 1-3/16
BLOCK	1	Standard Set	68-51	E-135X Std-30	Eng. Code "BD220"; 1-3/32, 1-1/8, 1-3/16
	1	Standard Set	67-50	677X Std Only	Eng. Code "SD220"; 1-3/32, 2-1/8, 1-3/16
	1	Standard Set	50	E-135X Std-30	Eng. Code "BD220"; From Ser. No. 261933; 1-3/32, 1-1/8, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-60	4093M10 10	Full grooved; w/high volume oil pump
	1	Main Set	68-60	935M Std-10-20-30	Partial grooved; w/std. oil pump
	1	Rod Set	68-60	6-1575CPA Std-10-20-30	
	6	Rod Pair	68-60	1575CPA Std-10-20-30-40	
	1	Cam Set	68-60	1209M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	1	Oil Pump	68-58	224-41185	Eng. Code "BD220"; Replaces O.E. No. 230421R91
	1	Oil Pump	57-50	224-41185	Eng. Code "SD220"; Replaces O.E. No. 230421R91
	1	Pump Repair Kit	68-58	224-51185	Eng. Code "BD220"
	1	Pump Repair Kit	57-50	224-51185	Eng. Code "SD220"

9 3.8L 232 OHV L6 (Hi Torque), 3.75" Bore (AMC Eng.) 1972-69
L/D Truck 6-232 Eng.

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	72-69	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388
	1	Timing Chain	72-69	222-494	48 Links
	1	Crank Sprocket	72-69	223-355	18 Teeth
	1	Cam Sprocket	72-69	223-388	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	72-69	CS-652	Hyd.
	12	Lifter	72-69	HT-2011 Std Only	Hyd.; Carton of 117
	12	Lifter, Bulk	72-69	HT-2011B Std Only	Hyd.; Carton of 117
	1	Prelube	72-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	72-69	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	72-69	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	72-69	RP-3163	w/Cast iron rocker arms; 9.6560" O.A.L.
	12	Push Rod	72-69	RP-3171	w/Stamped steel rocker arms; 9.5940" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	72-69	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	72-69	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	24	Keeper	72-69	VK-138	1 groove; Square cut key groove

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IHC Truck

3.8L 232 OHV L6 (Hi Torque), 3.75" Bore (AMC Eng.) 1972-69 9					
L/D Truck 6-232 Eng. (cont.)					
BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	24	Keeper	72-69	VK-138R	1 groove; Square cut key groove; Hardened
	24	Keeper	72-69	VK-174	4 groove
	24	Keeper	72-69	VK-174R	4 groove; Hardened
	24	Keeper, Bulk	72-69	VK-138B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	72-69	409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston - Individual	72-69	W409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	72-69	E-222K Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	1	Standard Set	72-69	E-222X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	72-69	WE-222K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	72-69	WE-222X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	72-69	4289M Std-10-20-30-40-60	
	1	Rod Set	72-69	6-3310CPA Std-1-10-20-30-40-50-60	
	6	Rod Pair	72-69	3310CPA Std-1-2-10-20-30-40-50-60	
	1	Cam Set	72-69	1244M Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	72-69	224-41199	Replaces pump w/o cover having tab & slotted hole
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	72-69	260-1007	Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	71-69	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.
	RE-RING KIT				
	YEARS	DESCRIPTION			
	72-69	Premium valve stem seals incl.			
				Re-ring	
				Re-ring w/Mains	
				PREMIUM KIT NO.	ECONOMY KIT NO.
BLOCK				205-610	205-110
				205-610M	205-110M
	3.8L 233 L-HEAD L6 (12 Valve), 3.3125" Bore 10				
	L/D Truck				
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper		VK-66	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		9219X	Full round bushing w/1.110" length
	6	Pin Bushing		9219V	Split type bushing w/1.120" length
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	1	Repair Sleeve		SL-12M Std Only	3/32" wall, must be cut to correct length
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Cam Set		1091M Std Only	
	3.9L 240 OHV L6 (12 Valve), 3.5625" Bore 1968-58 11				
	L/D Truck BD240, BG241, SD240 Eng.				
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	68-58	AT-2041 Std Only	Mech.; .997" dia. body
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	68-58	V-1327X Std Only	Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L.
	6	Intake	68-58	V-1542 Std Only	1.6560" Head Dia., .3720" Stem Dia., 5.0860" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	12	Guide	68-58	VG-499	.3760" ID, 2.4100" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	68-58	VS-547	Rototype; Free valve; 2.2650" Free Height
	12	Spring	68-58	VS-389	2.6870" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	68-58	ST-2002	Installation requires valve guide machining; Polyacrylate Int.; "A" & "B" Series; O-Ring; Rubber
	6	Valve Stem Seal	68-58	MV-1233C	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	12	Valve Stem Seal Bulk	68-58	ST-2002BC	Int.; "A" & "B" Series; O-Ring; Carton of 100; Rubber
	6	Valve Stem Seal Bulk	68-58	MV-1233	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	68-58	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth

(continued on next page)

IHC Truck

11 3.9L 240 OHV L6 (12 Valve), 3.5625" Bore 1968-58 (cont.) L/D Truck BD240, BG241, SD240 Engs.					
BLOCK	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Int.	68-58	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	12	Keeper	68-58	VK-138	w/o Rototype Free valve; 1 groove; Square cut key groove
	12	Keeper	68-58	VK-138R	w/o Rototype Free valve; 1 groove; Square cut key groove; Hardened
	12	Keeper, Bulk	68-58	VK-138B	w/o Rototype Free valve; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	68-61	1579V	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	68-58	E-135X Std-30	"A" & "B" Series; Check piston grooving before supplying ring set; 1-3/32, 1-1/8, 1-3/16
BLOCK	1	Standard Set	64-60	677X Std Only	"R" & "S" Series; Check piston grooving before supplying ring set; 1-3/32, 2-1/8, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-58	4093M10 10	Full grooved; w/high volume oil pump
	1	Main Set	68-58	935M Std-10-20-30	Partial grooved; w/std. oil pump
	1	Rod Set	68-58	6-1575CPA Std-10-20-30	
	6	Rod Pair	68-58	1575CPA Std-10-20-30-40	
	1	Cam Set	68-58	1209M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-58	224-41185	Eng. Code "BD240"; Replaces O.E. No. 230421R91
	1	Pump Repair Kit	68-58	224-51185	Eng. Code "BD240"; Can also use 224-41185
12 4.0L 242 OHV L6 (12 Valve), 3.375" Bore L/D Truck					
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		9219X	Full round bushing w/1.110" length
	6	Pin Bushing		9219V	Split type bushing w/1.120" length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Cam Set		1091M Std Only	
13 4.1L 250 OHV L6 (12 Valve), 3.4375" Bore L/D Truck					
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal		MV-1233C	Int.; O-Ring; Rubber
	6	Valve Stem Seal Bulk		MV-1233	Int.; O-Ring; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	6	Int.		245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper		VK-63	2 groove; Round key groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing		1269V20	Bronze bushing w/o oil grooves & w/.020" extra bore stock
	6	Pin Bushing		1269Y	Steel back bushing w/2 oil holes
14 4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1974-72 L/D Truck 6-258 Eng.					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	74-72	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388
	1	Timing Chain	74-72	222-494	48 Links
	1	Crank Sprocket	74-72	223-355	18 Teeth
	1	Cam Sprocket	74-72	223-388	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	74-72	CS-652	
	12	Lifter	74-72	HT-2011 Std Only	Hyd.
	12	Lifter, Bulk	74-72	HT-2011B Std Only	Hyd.; Carton of 117
	1	Prelube	74-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	74-72	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	74-72	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	74-72	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	74-72	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth

(continued on next page)

IHC Truck

4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1974-72 14 L/D Truck 6-258 Eng. (cont.)

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
12	Keeper	74-72	VK-174	4 groove	
12	Keeper	74-72	VK-174R	4 groove; Hardened	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston	74-72	409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
6	Cast Piston - Individual	74-72	W409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	74-72	E-222K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	74-72	E-222X Std-20-30-40-60	2-5/64, 1-3/16	
6	Premium Single Cylinder Set	74-72	WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
6	Standard Single Cylinder Set	74-72	WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	74-72	4289M Std-10-20-30-40-60		
1	Rod Set	74-72	6-3310CPA Std-1-10-20-30-40-50-60		
6	Rod Pair	74-72	3310CPA Std-1-2-10-20-30-40-50-60		
1	Cam Set	74-72	1244M Std-10		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	74-72	224-41199	Exc. Scout; Replaces pump w/o cover having tab & slotted hole	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	74-72	260-1007	Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	74-72	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	
RE-RING KIT					
YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
74-72	Premium valve stem seals incl.		Re-ring	205-610	205-110
			Re-ring w/Mains	205-610M	205-110M

4.3L 260 OHV L6 (12 Valve), 3.5" Bore 15 L/D Truck

QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Pin Bushing		9219X	Full round bushing w/1.110" length	
6	Pin Bushing		9219V	Split type bushing w/1.120" length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Cam Set		1091M Std Only		

4.3L 264 OHV L6 (12 Valve), 3.6875" Bore 1968-59 16 L/D Truck BD264, BG264, BG265, SD264 Eng.

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter	68-59	AT-2041 Std Only	Mech.; .997" dia. body	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12	Push Rod	68-59	RP-3127	12.6860" O.A.L.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust	68-59	V-1327X Std Only	Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L.	
6	Intake	68-59	V-1543 Std Only	1.7810" Head Dia., .3720" Stem Dia., 5.0720" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	68-59	VG-499	.3760" ID, 2.4100" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	68-59	VS-547	Rototype; Free valve; 2.2650" Free Height	
12	Spring	68-59	VS-389	2.6870" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	68-59	ST-2002	Installation requires valve guide machining; Polyacrylate	
12	Valve Stem Seal	68-59	MV-1902	Umbrella type; Rubber	
6	Valve Stem Seal	68-59	MV-1233C	Int.; O-Ring; Rubber	
12	Valve Stem Seal Bulk	68-59	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate	
6	Valve Stem Seal Bulk	68-59	MV-1233	Int.; O-Ring; Carton of 100; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Int.	68-59	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth	
6	Int.	68-59	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth	

(continued on next page)

IHC Truck

16 4.3L 264 OHV L6 (12 Valve), 3.6875" Bore 1968-59 (cont.) L/D Truck BD264, BG264, BG265, SD264 Engs.					
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	68-59	VK-138	w/o Rototype Free valve; 1 groove; Square cut key groove
	24	Keeper	68-59	VK-138R	w/o Rototype Free valve; 1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	68-59	VK-138B	w/o Rototype Free valve; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	68-65	1579V	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	68-59	5576KX Std-30	Eng. Codes "BD264" & "BG265"; "A" & "B" Series; 1-3/32, 1-1/8, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	68-59	SL-18M Std Only	Eng. Codes "BD264" & "BG265"; 3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	68-65	4093M10 10	Full grooved; w/high volume oil pump
BLOCK	1	Main Set	68-65	935M Std-10-20-30	Partial grooved; w/std. oil pump
	1	Rod Set	68-65	6-1575CPA Std-10-20-30	
	6	Rod Pair	68-65	1575CPA Std-10-20-30-40	
	1	Cam Set	68-65	1209M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	68-59	224-41185	Eng. Code "BD264"; Replaces O.E. No. 230421R91
17 4.3L 266 OHV V8 (16 Valve), 3.625" Bore 1972-59 L/D Truck V266 Eng.					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	72-59	221-3336S	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	72-59	CS-415	
	16	Lifter	72-59	HT-855 Std Only	Hyd.
	16	Lifter, Bulk	72-59	HT-855B Std Only	Hyd.; Carton of 96
VALVE TRAIN	1	Prelube	72-59	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	72-65	RP-3131	Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	72-65	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	16	Guide	72-65	VG-581	.3755" ID, 2.9060" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	72-65	VS-693	Incl. damper; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	72-65	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	72-65	MV-1233C	O-Ring; Rubber
VALVE TRAIN	16	Valve Stem Seal Bulk	72-65	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	72-65	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	72-65	VK-138	1 groove; Square cut key groove
	32	Keeper	72-65	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	72-65	VK-138B	1 groove; Square cut key groove; Carton of 1000
BLOCK	8	Rotocap	72-65	RC-126S	Exh.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	72-65	5155X Std Only	2-3/32, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	72-59	SL-17M Std Only	3/32" wall, must be cut to correct length & notched
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Main Set	70-61	4070M Std-10-20-30	
	1	Rod Set	70-61	8-2410CP Std-10-20-30-40	
	8	Rod Pair	70-61	2410CP Std-2-10-20-30-40	
	1	Cam Set	70-61	1218M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	72-65	224-51187	

(continued on next page)

IHC Truck

4.3L 266 OHV V8 (16 Valve), 3.625" Bore 1972-59 17 L/D Truck V266 Eng. (cont.)

QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	72-59	260-1075	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	72-59	381-8083	

4.4L 269 OHV L6 (12 Valve), 3.5625" Bore 18 L/D Truck

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal		ST-2002	BD269 Engs.; Installation requires valve guide machining; Polyacrylate
6	Valve Stem Seal		MV-1233C	Int.; O-Ring; Rubber
12	Valve Stem Seal Bulk		ST-2002BC	BD269 Engs.; Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
6	Valve Stem Seal Bulk		MV-1233	Int.; O-Ring; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
6	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
6	Int.		245-1750-2N Std Only	Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth
6	Int.		245-1750-2 Std Only	1.7550" OD, 1.5000" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper		VK-63	2 groove; Round key groove
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Pin Bushing		1269V20	Bronze bushing w/o oil grooves & w/.020" extra bore stock
6	Pin Bushing		1269Y	Steel back bushing w/2 oil holes
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set		677X Std Only	1-3/32, 2-1/8, 1-3/16

5.0L 304 OHV V8 (16 Valve), 3.875" Bore 1980-60 19 L/D Truck V304, V304E Engs.

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Gear Set	80-60	221-3336S	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	80-60	CS-415	
16	Lifter	80-60	HT-855 Std Only	Hyd.
16	Lifter, Bulk	80-60	HT-855B Std Only	Hyd.; Carton of 96
1	Prelube	80-60	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	80-60	RP-3131	Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm	80-60	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	80-60	V-2524X Std Only	Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L.
8	Intake	80-60	V-2525 Std Only	Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	80-60	VG-581	.3755" ID, 2.9060" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	80-60	VS-693	Incl. damper; 2.0500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	80-60	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal	80-60	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	80-60	MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk	80-60	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	80-60	VK-138	1 groove; Square cut key groove
32	Keeper	80-60	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	80-60	VK-138B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap	80-60	RC-126S	Exh.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	80-61	HLC997CP Std-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DurOshield® skirt coated piston

(continued on next page)

IHC Truck

19 5.0L 304 OHV V8 (16 Valve), 3.875" Bore 1980-60 (cont.) L/D Truck V304, V304E Engs.

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston	80-61	H997CP Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	8	Cast Piston	60	HLC997CP Std-40-60	From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DurOshield® skirt coated piston	
	8	Cast Piston	60	H997CP Std-20-30-40-60	From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	80-61	WH997CP Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	60	WH997CP Std-20-30-40-60	From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	80-60	E-270K Std-20-30-40-60	2-3/32, 1-3/16	
	1	Standard Set	80-60	E-270X Std-20-30-40-60	2-3/32, 1-3/16	
	8	Premium Single Cylinder Set	80-60	WE-270K Std-20-30-40-60	2-3/32, 1-3/16	
	8	Standard Single Cylinder Set	80-60	WE-270X Std-30-40-60	2-3/32, 1-3/16	
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Repair Sleeve	80-60	SL-20Y Std Only	1/8" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	80-60	4070M Std-10-20-30		
	1	Rod Set	80-60	8-2410CP Std-10-20-30-40		
	8	Rod Pair	80-60	2410CP Std-2-10-20-30-40		
	1	Cam Set	80-60	1218M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	75-60	224-51187		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	80-60	260-1075		
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Brass Block Plug Kit	80-60	381-8083		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	80-60			Re-ring	205-670	205-170
				Re-ring w/Mains	205-670M	205-170M

20 5.0L 304 OHV LPG V8 (16 Valve), 3.875" Bore 1980-67 L/D Truck V304, V304E Engs. (LPG)

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	80-67	E-270K Std-20-30-40-60	2-3/32, 1-3/16	
	1	Standard Set	80-67	E-270X Std-20-30-40-60	2-3/32, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	80-67	4070M Std-10-20-30		
	1	Rod Set	80-67	8-2410CP Std-10-20-30-40		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	80-67	260-1075	Int. manifold gskts. not incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	74	381-8083		
	1	Brass Block Plug Kit	72-71	381-8083		
BLOCK	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	80-67	Int. manifold gskts. not incl.		Re-ring	205-670	205-170
				Re-ring w/Mains	205-670M	205-170M

21 5.6L 345 OHV V8 (16 Valve), 3.875" Bore 1980-67 L/D Truck V345, V345E Engs.

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Gear Set	80-67	221-3336S		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	80-67	CS-415		
	16	Lifter	80-67	HT-855 Std Only	Hyd.	
	16	Lifter, Bulk	80-67	HT-855B Std Only	Hyd.; Carton of 96	
	1	Prelube	80-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	

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5.6L 345 OHV V8 (16 Valve), 3.875" Bore 1980-67 21 L/D Truck V345, V345E Engs. (cont.)

VALVE TRAIN	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	80-67	RP-3133	Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L.
	16	Push Rod	80-67	RP-3132	Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L.
	16	Push Rod, Bulk	80-67	BRP-3133	Ball & ball type ends; Use w/boat type rocker arms; Carton of 100; 9.7790" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	80-67	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	80-67	V-2524X Std Only	Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L.
	8	Intake	80-67	V-2525 Std Only	Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
BLOCK	16	Guide	80-67	VG-581	.3755" ID, 2.9060" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	80-67	VS-693	Incl. damper; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	80-67	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal	80-67	MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk	80-67	MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	80-67	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	80-67	VK-138	1 groove; Square cut key groove
BLOCK	32	Keeper	80-67	VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk	80-67	VK-138B	1 groove; Square cut key groove; Carton of 1000
	8	Rotocap	80-67	RC-126S	Exh.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	80-68	HLC997CP Std-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DurOshield® skirt coated piston
	8	Cast Piston	80-68	H997CP Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
	8	Cast Piston	67	HLC997CP Std-40-60	From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DurOshield® skirt coated piston
	8	Cast Piston	67	H997CP Std-20-30-40-60	From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
	8	Cast Piston - Individual	80-68	WH997CP Std-20-30-40-60	w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
	8	Cast Piston - Individual	67	WH997CP Std-20-30-40-60	From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DurOshield® skirt coated piston
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	80-67	E-270K Std-20-30-40-60	2-3/32, 1-3/16
	1	Standard Set	80-67	E-270X Std-20-30-40-60	2-3/32, 1-3/16
	8	Premium Single Cylinder Set	80-67	WE-270K Std-20-30-40-60	2-3/32, 1-3/16
	8	Standard Single Cylinder Set	80-67	WE-270X Std-30-40-60	2-3/32, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	80-67	SL-20Y Std Only	1/8" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-67	4070M Std-10-20-30	
	1	Rod Set	80-67	8-2410CP Std-10-20-30-40	
BLOCK	8	Rod Pair	80-67	2410CP Std-2-10-20-30-40	
	1	Cam Set	80-67	1218M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	80	224-51187	To Eng. Ser. No. 1342934
	1	Pump Repair Kit	79-67	224-51187	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	80-67	260-1075	

(continued on next page)

IHC Truck

21 5.6L 345 OHV V8 (16 Valve), 3.875" Bore 1980-67 (cont.) L/D Truck V345, V345E Engs.

QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	80-67	381-8083			
RE-RING KIT	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
80-67				Re-ring Re-ring w/Mains	205-670 205-670M	205-170 205-170M

22 5.6L 345 OHV LPG V8 (16 Valve), 3.875" Bore 1980-67 L/D Truck V345, V345E Engs. (LPG)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Gear Set	80-67	221-3336S			
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft	80-67	CS-415			
16	Lifter	80-67	HT-855 Std Only	Hyd.		
16	Lifter, Bulk	80-67	HT-855B Std Only	Hyd.; Carton of 96		
1	Prelube	80-67	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
8	Exhaust	80-67	V-2524X Std Only	Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L.		
8	Intake	80-67	V-2525 Std Only	Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
16	Guide	80-67	VG-581	.3755" ID, 2.9060" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
16	Spring	80-67	VS-693	Incl. damper; 2.0500" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
16	Valve Stem Seal	80-67	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE		
16	Valve Stem Seal	80-67	MV-1233C	O-Ring; Rubber		
16	Valve Stem Seal Bulk	80-67	MV-1233	O-Ring; Carton of 100; Rubber		
16	Valve Stem Seal Bulk	80-67	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	80-67	VK-138	1 groove; Square cut key groove		
32	Keeper	80-67	VK-138R	1 groove; Square cut key groove; Hardened		
32	Keeper, Bulk	80-67	VK-138B	1 groove; Square cut key groove; Carton of 1000		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	80-67	E-270K Std-20-30-40-60	2-3/32, 1-3/16		
1	Standard Set	80-67	E-270X Std-20-30-40-60	2-3/32, 1-3/16		
8	Premium Single Cylinder Set	80-67	WE-270K Std-20-30-40-60	2-3/32, 1-3/16		
8	Standard Single Cylinder Set	80-67	WE-270X Std-20-30-40-60	2-3/32, 1-3/16		
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION		
8	Repair Sleeve	80-67	SL-20Y Std Only	1/8" wall, must be cut to correct length		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	80-67	4070M Std-10-20-30			
1	Rod Set	80-67	8-2410CP Std-10-20-30-40			
8	Rod Pair	80-67	2410CP Std-2-10-20-30-40			
1	Cam Set	80-67	1218M Std Only			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	80-67	260-1075	Int. manifold gskts. not incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	80-67	381-8083			
RE-RING KIT	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
80-67		Int. manifold gskts. not incl.		Re-ring Re-ring w/Mains	205-670 205-670M	205-170 205-170M

23 5.9L 361 OHV L6 (12 Valve), 4.125" Bore L/D Truck

QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
6	Exhaust		V-4081 Std Only	1.5390" Head Dia., .4340" Stem Dia., 5.8380" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
12	Spring		VS-336	Inner; 2.3430" Free Height		
12	Spring		VS-337	Outer; 2.5620" Free Height		

6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1975-68 24
L/D Truck V392, V392E Engs.

6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1975-68 24					
L/D Truck V392, V392E Engs.					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set	75-68	221-3336S	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	75-68	CS-415	
	16	Lifter	75-68	HT-855 Std Only	Hyd.
	16	Lifter, Bulk	75-68	HT-855B Std Only	Hyd.; Carton of 96
	1	Prelube	75-68	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	75-68	RP-3133	Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L.
	16	Push Rod	75-68	RP-3132	Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L.
16	Push Rod, Bulk	75-68	BRP-3133	Ball & ball type ends; Use w/boat type rocker arms; Carton of 100; 9.7790" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
8	Arm	75-68	R-884	Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	75-68	V-1834X Std Only	1.7340" Head Dia., .4145" Stem Dia., 5.4800" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	75-68	VG-646	Exh.; .4180" ID, 2.9060" O.A.L.	
8	Guide	75-68	VG-581	Int.; .3755" ID, 2.9060" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	75-68	VS-693	Incl. damper; 2.0500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	75-68	MV-1233C	O-Ring; Rubber	
16	Valve Stem Seal Bulk	75-68	MV-1233	O-Ring; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	75-68	VK-138	1 groove; Square cut key groove	
32	Keeper	75-68	VK-138R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	75-68	VK-138B	1 groove; Square cut key groove; Carton of 1000	
8	Rotocap	75-68	RC-126S	Exh.	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
8	Cast Piston	75-68	H996CP Std-20-30-40-60	Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DurOshield® skirt coated piston	
8	Cast Piston - Individual	75-68	WH996CP Std-20-30-40-60	Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DurOshield® skirt coated piston	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	75-68	E-404K Std-30-60	H/D; Highway; 2-3/32, 1-3/16	
1	Premium Set	75-68	E-273K Std-20-30-40-60	L/D; 2-3/32, 1-3/16	
1	Standard Set	75-68	E-422X30 30-40	2-3/32, 1-3/16	
8	Premium Single Cylinder Set	75-68	WE-404K Std-30	H/D use; Highway use; 2-3/32, 1-3/16	
8	Premium Single Cylinder Set	75-68	WE-273K Std-20-30-40-60	L/D; 2-3/32, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
8	Repair Sleeve	75-68	SL-23Y Std Only	1/8" wall, must be cut to correct length	
8	Repair Sleeve	75-68	SL-23M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	75-68	4070M Std-10-20-30		
1	Rod Set	75-68	8-2410CP Std-10-20-30-40		
8	Rod Pair	75-68	2410CP Std-2-10-20-30-40		
1	Cam Set	75-68	1218M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Pump Repair Kit	75	224-51187	To Eng. Ser. No. 1343145	
1	Pump Repair Kit	74-68	224-51187		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	75-69	260-1076	w/o Improved cooling	
1	Kit Gasket Set	75-69	260-1050	w/Improved cooling	
1	Kit Gasket Set	68	260-1050	From Ser. No. 1013197; w/Improved cooling	
1	Kit Gasket Set	68	260-1076	To Ser. No. 1013196; w/o Improved cooling	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	75-69	381-8083		
BLOCK	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION		205-671	----
	75	To Ser. No. 1013196; w/o Improved cooling; H/D; Highway use; For pistons w/2-3/32, 1-3/16 ring groove		Re-ring	

(continued on next page)

IHC Truck

24 6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1975-68

(cont.) L/D Truck V392, V392E Engs.

K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION				
	75	To Ser. No. 1013196; w/o Improved cooling; L/D	Re-ring	205-675	-----	
	75-69	w/Improved cooling; H/D; Highway use; For pistons w/2-3/32, 1-3/16 ring groove	Re-ring	205-673	-----	
	75-69	w/Improved cooling; L/D	Re-ring	205-676	-----	
	74-68	w/o Improved cooling; H/D; Highway use; For pistons w/2-3/32, 1-3/16 ring groove	Re-ring	205-671	-----	
	74-68	w/o Improved cooling; L/D	Re-ring	205-675	-----	
	68	From Ser. No. 1013197; w/Improved cooling; H/D; Highway use; For pistons w/2-3/32, 1-3/16 ring groove	Re-ring	205-673	-----	
	68	From Ser. No. 1013197; w/Improved cooling; L/D	Re-ring	205-676	-----	

25 6.6L 401 OHV L6 (12 Valve), 4.125" Bore 1969-49

L/D Truck

QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	69-49	V-4081 Std Only	1.5390" Head Dia., .4340" Stem Dia., 5.8380" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
6	Spring	69-49	VS-336	Inner; 2.3430" Free Height
6	Spring	69-49	VS-337	Outer; 2.5620" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	69-49	MV-1233C	Int.; O-Ring; Rubber
6	Valve Stem Seal Bulk	69-49	MV-1233	Int.; O-Ring; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
12	Spring Insert	69-49	259-303C	.015"; ID .703"; Carton of 100
12	Spring Insert	69-49	259-303B	.030"; ID .703"; Carton of 100
12	Spring Insert	69-49	259-303A	.060"; ID .703"; Carton of 100
12	Spring Insert	69-49	259-303ARS	.060"; ID .703"; Carton of 500
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
6	Repair Sleeve	69-49	SL-23Y Std Only	1/8" wall, must be cut to correct length
6	Repair Sleeve	69-49	SL-23M Std Only	3/32" wall, must be cut to correct length

26 6.6L 401 OHV V8, 4.165" Bore (AMC Eng.) 1974

L/D Truck V400 Eng.

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	74	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412	
	1	Timing Chain	74	222-349	5/8" wide; 62 Links	
	1	Crank Sprocket	74	223-281	Use w/5/8" wide chain; 23 Teeth	
	1	Cam Sprocket	74	223-412	Use w/5/8" wide chain; 46 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	74	CS-646	Hyd.	
	16	Lifter	74	HT-2011 Std Only	Hyd.	
	16	Lifter, Bulk	74	HT-2011B Std Only	Hyd.; Carton of 117	
	1	Prelube	74	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	74	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	74	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod	74	RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk	74	BRP-3093	Carton of 100; 7.7940" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm Assy.	74	R-853	Incl. arm, ball & nut	
	16	Arm Assy.	74	R-875	Incl. 2-arms, 2-pivots & 1-bridge	
	16	Arm Assy., Bulk	74	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32	
	16	Arm	74	R-853A		
	16	Arm	74	R-875A		
	16	Pivot	74	MR-1909	Incl. 2-pivots & 1-bridge	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	74	V-1980 Std Only	1 groove; w/Rotocaps; 1.6800" Head Dia., .3710" Stem Dia., 4.9290" O.A.L.	
	8	Intake	74	V-1979 Std Only	4 groove; 2.0260" Head Dia., .3719" Stem Dia., 4.8980" O.A.L.	

(continued on next page)

IHC Truck

6.6L 401 OHV V8, 4.165" Bore (AMC Eng.) 1974 26
L/D Truck V400 Eng. (cont.)

VALVE TRAIN	QTY 8	VALVE (cont.) Intake, Bulk	YEARS 74	PART NO. V-1979B Std Only	DESCRIPTION 4 groove; Carton of 25; 2.0256" Head Dia., .3719" Stem Dia., 4.8976" O.A.L.
	QTY 16	VALVE GUIDE Guide	YEARS 74	PART NO. VG-5062	DESCRIPTION .3735" ID, 2.3800" O.A.L.
	QTY 16	VALVE SEAL Valve Stem Seal	YEARS 74	PART NO. ST-2002	DESCRIPTION Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	74	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
	QTY 8	VALVE SEAT Exh.	YEARS 74	PART NO. 245-1750-3 Std Only	DESCRIPTION 1.7555" OD, 1.4375" ID, .2160" Depth
	8	Int.	74	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY 32	VALVE, MISC Keeper	YEARS 74	PART NO. VK-115	DESCRIPTION Exh.; 1 groove; Square cut key groove
	32	Keeper	74	VK-115R	Exh.; 1 groove; Square cut key groove; Hardened
	32	Keeper	74	VK-174	Int.; 4 groove
	32	Keeper, Bulk	74	VK-174R	Int.; 4 groove; Hardened
BLOCK	QTY 8	PISTON Cast Piston	YEARS 74	PART NO. 415CP Std-30-40-60	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston - Individual	74	W415CP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	QTY 1	RINGS Premium Set	YEARS 74	PART NO. E-302K30 30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Standard Set	74	E-302X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	74	WE-302K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	74	WE-302X30 30	2-5/64, 1-3/16
	QTY 1	ENGINE BEARINGS Main Set	YEARS 74	PART NO. 4950M10 10-20-30	DESCRIPTION
	1	Cam Set	74	1401M Std Only	
	QTY 1	OIL PUMP Pump Repair Kit	YEARS 74	PART NO. 224-51285	DESCRIPTION
	1	Screen Assy.	74	224-14161	
	QTY 1	GASKETS Kit Gasket Set	YEARS 74	PART NO. 260-1151	DESCRIPTION Int. manifold gskt. not incl.; Premium valve stem seals incl.
	1	Valley Pan Gasket Set	74	260-4008	

7.3L 444 OHV Diesel V8 (IDI), 4.1102" Bore 1989 27
L/D Truck 7.3L Diesel Eng.

VALVE TRAIN	QTY 1	TIMING Gear Set	YEARS 89	PART NO. 221-3342S	DESCRIPTION Incl. (1) 221-3342S
	1	Cam Gear	89	221-3342	106 Teeth
	QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS 89	PART NO. CS-771	DESCRIPTION
	16	Lifter	89	HT-2104 Std Only	Hyd. rlr.
	16	Lifter, Bulk	89	HT-2104B Std Only	Hyd. rlr.; Carton of 113
	1	Prelube	89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 1	CAM KIT Cam/Lifter Kit	YEARS 89	PART NO. KC-771	DESCRIPTION Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89	KCT-771	Hyd. rlr.; Incl. (1) CS-771, (16) HT-2104, (1) 221-3342S, (1) 55-403B
	QTY 8	VALVE Exhaust	YEARS 89	PART NO. V-2302 Std Only	DESCRIPTION Chrome plated stem; 1.5950" Head Dia., .3719" Stem Dia., 5.6700" O.A.L.
	8	Intake	89	V-2303 Std Only	Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L.
VALVE TRAIN	QTY 16	VALVE GUIDE Guide	YEARS 89	PART NO. VG-804	DESCRIPTION Repair Guide; .3750" ID, 2.6000" O.A.L.
	QTY 16	VALVE SPRING Spring	YEARS 89	PART NO. VS-693	DESCRIPTION Incl. damper; 2.0500" Free Height
	QTY 8	VALVE SEAT Exh.	YEARS 89	PART NO. 245-1669-1 Std Only	DESCRIPTION 1.6690" OD, 1.3700" ID, .2710" Depth
	8	Int.	89	245-1937-1 Std Only	Cannot be used in early year A & B castings because of thin castings; 1.9425" OD, 1.6875" ID, .2480" Depth

(continued on next page)

IHC Truck

27 7.3L 444 OHV Diesel V8 (IDI), 4.1102" Bore 1989

(cont.) L/D Truck 7.3L Diesel Eng.

B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	B L O C K		
	32	Keeper	89	VK-138	1 groove; Square cut key groove			
	32	Keeper	89	VK-138R	1 groove; Square cut key groove; Hardened			
	32	Keeper, Bulk	89	VK-138B	1 groove; Square cut key groove; Carton of 1000			
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION			
	8	Cast Piston	89	2745PN40 40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.949" CD, 1.1100" Pin Dia., Ricardo Cup; Repl. O.E. Nos. 1813154C1, E9TZ-6102A			
	8	Cast Piston	89	2771PN Std-20-40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/E-509K ring set; Cast; 1-.118", 1-.078", 1-.136" Ring Groove, 1.939" CD, 1.1100" Pin Dia., Ricardo Cup; Same as FP-1816674 Exc. De-Stroke .010"			
	8	Cast Piston	89	H651CP Std-20-30-40	Replaces early style w/.109" oil ring in sets only; Use w/E-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston			
	8	Cast Piston - Individual	89	WH651CP Std-20-30-40	From Ser. No. 598754; Replaces early style w/.109" oil ring in sets only to Ser. No. 598753; Use w/WE-509K ring set; Hypereutectic; 1-.118", 1-.078", 1-.136" Ring Groove, 1.940" CD, 1.1100" Pin Dia., Ricardo Cup Head w/.007" taper; DurOshield® skirt coated piston			
	8	Pin Bushing	89	3814Y20				
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION			
	1	Premium Set	89	E-509K Std-20-30-40	1-.118, 1-.078, 1-.136; 2nd ring gap is .060-.075" like O.E. ring			
	8	Premium Single Cylinder Set	89	WE-509K Std-20-30-40	1-.118, 1-.078, 1-.136; 2nd ring gap is .060-.075" like O.E. ring			
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
1	Main Set	89	5110M Std-1-2-10-20-30	w/.010" O/S length flange brg.				
1	Main Set	89	7219M10 10-20-30					
1	Rod Set	89	8-3810CP Std-10-20-30-40					
8	Rod Pair	89	3810CP Std-1-10-20-30-40					
1	Cam Set	89	1467M Std Only					
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION				
1	Oil Pump	89	224-41999					
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION				
1	Kit Gasket Set	89	260-1673	Int. manifold gskt. not incl.; Premium valve stem seals incl.				
1	Valley Pan Gasket Set	89	260-4029					
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION				
1	Brass Block Plug Kit	89	381-8056	Incl. 7 centerless ground OD, stainless steel block plugs				
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S	
	YEARS	DESCRIPTION						
	89	Int. manifold gskt. not incl.; Premium valve stem seals incl.; 2nd ring gap is .060-.075" like O.E. ring			Re-ring	205-6091		----
					Re-ring w/Mains	205-6091M		----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.		
	YEARS	DESCRIPTION						
	89	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs; 2nd ring gap is .060-.075" like O.E. ring			Master	MKP-6091A		----
					Master w/o Pistons	MK-6091A		----
89	Replaces early style w/.109" oil ring in sets only; Premium valve stem seals incl.			Block	BK-6178	----		
89	Replaces early style w/.109" oil ring in sets only; Premium valve stem seals incl.; Incl. 7 centerless ground OD, stainless steel block plugs			Block w/Pump & Freeze Plugs	BKP-6178	----		

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.5L 1471cc SOHC L4 77mm Bore (8 Valve).....	1989-85	1	1.8L 1817cc SOHC L4 84mm Bore (8 Valve).....	1985-81	6
1.5L 1471cc SOHC Turbo L4 77mm Bore (8 Valve).....	1989-87	2	1.8L 1817cc SOHC Diesel L4 84mm Bore (8 Valve).....	1985-81	7
1.6L 1588cc DOHC L4 80mm Bore (16 Valve)	1990-89	3	1.9L 1949cc SOHC L4 87mm Bore (8 Valve).....	1987-83	8
1.6L 1588cc SOHC L4 80mm Bore (12 Valve).....	1990-89	4	2.0L 1994cc SOHC Turbo L4 88mm Bore (8 Valve).....	1989-85	9
1.6L 1588cc DOHC Turbo L4 80mm Bore (16 Valve).....	1990	5	2.3L 2254cc SOHC L4 89.3mm Bore (8 Valve).....	1989-88	10

Engine Code Index							
Engine Code		Engine Description	Line No.	Engine Code		Engine Description	Line No.
G180Z.....		1.8L 1817cc SOHC L4 84mm Bore (8 Valve).....	6	4XE1V		1.6L 1588cc SOHC L4 80mm Bore (12 Valve).....	4
G200Z.....		1.9L 1949cc SOHC L4 87mm Bore (8 Valve).....	8	4XE1W		1.6L 1588cc DOHC L4 80mm Bore (16 Valve).....	3
4FB1		1.8L 1817cc SOHC Diesel L4 84mm Bore (8 Valve).....	7	4XE1W-T.....		1.6L 1588cc DOHC Turbo L4 80mm Bore (16 Valve).....	5
4XC1.....		1.5L 1471cc SOHC L4 77mm Bore (8 Valve).....	1	4ZC1-T		2.0L 1994cc SOHC Turbo L4 88mm Bore (8 Valve).....	9
4XC1-T		1.5L 1471cc SOHC Turbo L4 77mm Bore (8 Valve).....	2	4ZD1		2.3L 2254cc SOHC L4 89.3mm Bore (8 Valve).....	10

1.5L 1471cc SOHC L4 (8 Valve), 77mm Bore 1989-85 1 Eng. Code "4XC1" 1985-89

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	89-88	222-B162	From 4/1/87
1	Timing Belt	87	222-B162	
1	Timing Belt Tensioner	89-85	222-134BT	23 Teeth
1	Crank Sprocket	89-85	223-641	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	89-85	V-2336 Std Only	Chrome plated stem; 1.2200" Head Dia., .2740" Stem Dia., 4.1400" O.A.L.
4	Intake	89-85	V-2337 Std Only	Chrome plated stem; 1.4150" Head Dia., .2742" Stem Dia., 4.1400" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	89-85	VG-909	Exh.; .2762" ID, 1.9700" O.A.L.
4	Guide	89-85	VG-916	Int.; .2762" ID, 1.6950" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-85	VK-247	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	89-85	WE-546KC Std Only	1-1.50MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-85	6686MA Std-.25-.50MM	A-Series aluminum bearings
1	Thrust Washer Set	89-85	1064AF Std Only	Position 3
1	Rod Set	89-85	4-1145CP Std-.25-.50MM	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	89-85	381-8095	

1.5L 1471cc SOHC Turbo L4 (8 Valve), 77mm Bore 1989-87 2 Eng. Code "4XC1-T" 1987-89

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	89-88	222-B162	From 4/1/87
1	Timing Belt	87	222-B162	
1	Timing Belt Tensioner	89-87	222-134BT	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Intake	89-87	V-2337 Std Only	Chrome plated stem; 1.4150" Head Dia., .2742" Stem Dia., 4.1400" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	89-87	VG-909	Exh.; .2762" ID, 1.9700" O.A.L.
4	Guide	89-87	VG-916	Int.; .2762" ID, 1.6950" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-87	VK-247	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	89-87	E-545KC Std Only	2-1.20MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-87	6686MA Std-.25-.50MM	A-Series aluminum bearings

(continued on next page)

Isuzu Car

2 1.5L 1471cc SOHC Turbo L4 (8 Valve), 77mm Bore 1989-87 (cont.) Eng. Code "4XC1-T" 1987-89						
	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Thrust Washer Set	89-87	1064AF Std Only		
	1	Rod Set	89-87	4-1145CP Std-.25-.50MM		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-87	381-8095		
3 1.6L 1588cc DOHC L4 (16 Valve), 80mm Bore 1990-89 Eng. Code "4XE1W" 1989-92						
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90-89	V-4379X Std Only	Chrome plated stem; 1.1020" Head Dia., .2345" Stem Dia., 3.9770" O.A.L.	
	8	Intake	90-89	V-4354 Std Only	Chrome plated stem; 1.2200" Head Dia., .2350" Stem Dia., 3.9780" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90-89	VG-914	Exh.; .2345" ID, 1.7750" O.A.L.	
	4	Guide	90-89	VG-915	Int.; .2340" ID, 1.6510" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	90-89	ST-2079	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90-89	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth	
8	Int.	90-89	245-1312-65 Std Only	1.3195" OD, 1.0600" ID, .2300" Depth		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-547KC1.00MM 1.00MM	2-1.20MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90-89	WE-547KC Std Only	2-1.20MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	7284M Std-.25MM	Position 3	
1	Thrust Washer Set	90-89	4456F Std Only			
1	Rod Set	90-89	4-4455RA Std-.25MM			
4 1.6L 1588cc SOHC L4 (12 Valve), 80mm Bore 1990-89 Eng. Code "4XE1V" 1990-93						
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90	222-B177	Stylus	
	1	Timing Belt Tensioner	90	222-347BT		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-89	E-547KC1.00MM 1.00MM	2-1.20MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90-89	WE-547KC Std Only	2-1.20MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	7284M Std-.25MM	Position 3	
	1	Thrust Washer Set	90-89	4456F Std Only		
	1	Rod Set	90-89	4-4455RA Std-.25MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-89	260-1638	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-89	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6350	----
5 1.6L 1588cc DOHC Turbo L4 (16 Valve), 80mm Bore 1990 Eng. Code "4XE1W-T" 1990-92						
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90	V-4379X Std Only	Chrome plated stem; 1.1020" Head Dia., .2345" Stem Dia., 3.9770" O.A.L.	
	8	Intake	90	V-4354 Std Only	Chrome plated stem; 1.2200" Head Dia., .2350" Stem Dia., 3.9780" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90	VG-914	Exh.; .2345" ID, 1.7750" O.A.L.	
	8	Guide	90	VG-915	Int.; .2340" ID, 1.6510" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	90	ST-2079	Exh. & Int.; Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth	
8	Int.	90	245-1312-65 Std Only	1.3195" OD, 1.0600" ID, .2300" Depth		

(continued on next page)

Isuzu Car

1.6L 1588cc DOHC Turbo L4 (16 Valve), 80mm Bore 1990						5
Eng. Code "4XE1W-T" 1990-92						(cont.)
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	7284M Std-.25MM	Position 3	
	1	Thrust Washer Set	90	4456F Std Only		
	1	Rod Set	90	4-4455RA Std-.25MM		
1.8L 1817cc SOHC L4 (8 Valve), 84mm Bore 1985-81						6
Eng. Code "G180Z" 1981-85						
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	85-81	CS-720	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	85-81	55-400		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	85-81	R-901		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	85-81	V-2251 Std Only	Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L.	
	4	Intake	85-81	V-2252 Std Only	Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.	
	4	Guide	85-81	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	85-81	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	
T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	85-83	VS-1528	Outer; 1.8960" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	85-81	ST-2034	Positive type; Viton®	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	85-81	VK-215		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	85-81	4-3574Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	85-82	E-519K.50MM .50MM	2-1.50MM, 1-4.00MM	
	1	Premium Set	81	E-357KC Std-1.00MM	2-2.00MM, 1-4.00MM	
	1	Standard Set	85-82	E-519X Std Only	2-1.50MM, 1-4.00MM	
	1	Standard Set	81	E-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	85-82	WE-519KC Std Only	2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	81	WE-357KC Std-.50-.75MM	2-2.00MM, 1-4.00MM		
4	Standard Single Cylinder Set	81	WE-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM		
K I T S	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	85-81	5028M Std-.25-.50-.75MM	Position 3	
	1	Thrust Washer Set	85-81	3571BF Std Only		
	1	Rod Set	85-81	4-3570CPB Std-.25-.50-.75-1.00MM		
1	Cam Set	85-81	1858M Std Only			
K I T S	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	85-81	260-1090	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
K I T S	YEARS	DESCRIPTION				
	85-82	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-1360 205-1360M
	81	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.			Re-ring	205-829 205-329
1.8L 1817cc SOHC Diesel L4 (8 Valve), 84mm Bore 1985-81						7
Eng. Code "4FB1" 1981-85						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	85-81	222-76		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	85-81	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	85-81	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	84-81	ST-2034	Positive type; Viton®	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	85-81	4-67314Y		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Thrust Washer Set	85-81	3571BF Std Only	Position 3	

Isuzu Car

8 1.9L 1949cc SOHC L4 (8 Valve), 87mm Bore 1987-83 Eng. Code "G200Z" 1983-87

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Camshaft	87-83	CS-720		
	1	Prelube	87-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	87-83	R-1016	Impulse	
	1	Rocker Shaft	87-83	RS-706	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	87-83	V-2180 Std Only	Eng. Code "G200Z"; w/MFI; Chrome plated stem; 1.3360" Head Dia., .3125" Stem Dia., 4.3620" O.A.L.	
	4	Exhaust	87-83	V-2251 Std Only	Eng. Code "G200Z"; w/2 Bbl. Carb.; Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L.	
	4	Intake	87-83	V-2252 Std Only	Eng. Code "G200Z"; w/2 Bbl. Carb.; Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.	
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Guide	87-83	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	87-83	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	87-83	VS-1528	Outer; 1.8960" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	87-83	ST-2034	Positive type; Viton®	
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Int.	87-83	245-1750-51 Std Only	1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	87-83	VK-215		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	87-83	592P.75MM	.75-1.00MM Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.455" CD, .8662" Pin Dia., Flat Head	
	1	Pin Bushing Set	87-83	4-3574Y		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Premium Set	87-83	E-475KC Std-.50-.75MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	87-83	E-475X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	87-83	WE-475KC Std-.50-.75MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-86	6631M Std-.25-.50-.75MM		
	1	Main Set	85-83	5028M Std-.25-.50-.75MM		
BLOCK	1	Thrust Washer Set	87-83	3571BF Std Only		BLOCK
	1	Rod Set	87-83	4-3570CPB Std-.25-.50-.75-1.00MM		
	1	Cam Set	87-83	1858M Std Only		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-83	260-1090	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
	RE-RING KIT					KITS
	YEARS	DESCRIPTION			PREMIUM KIT NO.	
	87-86	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6320	
	87-86	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6320AM	
KITS	85-83	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6320	KITS
			Re-ring w/Mains		205-6320M	
					205-1320	

9 2.0L 1994cc SOHC Turbo L4 (8 Valve), 88mm Bore 1989-85 Eng. Code "4ZC1-T" 1985-89

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt Tensioner	89-85	222-263BT	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	89-85	CS-620	
1	Prelube	89-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Intake	89-85	V-2616 Std Only	Chrome plated stem; 1.6630" Head Dia., .3130" Stem Dia., 4.3570" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	89-85	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.
4	Guide	89-85	VG-698	Int.; .3145" ID, 1.8000" O.A.L.

(continued on next page)

Isuzu Car

2.0L 1994cc SOHC Turbo L4 (8 Valve), 88mm Bore 1989-85 9				
Eng. Code "4ZC1-T" 1985-89 (cont.)				
B L O C K	QTY 8	VALVE SPRING Spring	YEARS 89-85	PART NO. VS-1528
				DESCRIPTION 1.8960" Free Height
	QTY 4	VALVE SEAT Exh.	YEARS 89-85	PART NO. 245-1562-66 Std Only
	4	Int.	89-85	245-1750-51 Std Only
B L O C K				DESCRIPTION 1.5695" OD, 1.2650" ID, .2800" Depth 1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth
	QTY 1	PISTON Pin Bushing Set	YEARS 88-85	PART NO. 4-3574Y
				DESCRIPTION
	QTY 1	RINGS Premium Set	YEARS 89-85	PART NO. E-731KC Std Only
				DESCRIPTION 2-1.50MM, 1-4.00MM
	QTY 1 1 1	ENGINE BEARINGS Main Set Thrust Washer Set Rod Set	YEARS 89-85 89-85 89-85	PART NO. 6631M Std-.25-.50-.75MM 3571BF Std Only 4-3570CPB Std-.25-.50-.75-1.00MM
B L O C K				DESCRIPTION Position 3
	QTY 1	OIL PUMP Oil Pump	YEARS 89-85	PART NO. 224-43413
				DESCRIPTION
2.3L 2254cc SOHC L4 (8 Valve), 89.3mm Bore 1989-88 10				
Eng. Code "4ZD1" 1988-89				
V A L V E T R A I N	QTY 1 1 1	TIMING Timing Belt Timing Belt Tensioner Timing Belt & Tensioner Set	YEARS 89-88 89-88 89-88	PART NO. 222-122 222-263BT BTS-122
				DESCRIPTION
	QTY 1 1	CAMSHAFT/LIFTER Camshaft Prelube	YEARS 89-88 89-88	PART NO. CS-620 55-400
				DESCRIPTION 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 8 1 1	ROCKER PARTS Arm Rocker Shaft Rocker Shaft	YEARS 89-88 89-88 89-88	PART NO. R-1016 RS-707 RS-706
				DESCRIPTION Exh. & Int. Exh. Int.
	QTY 4 4	VALVE Exhaust Intake	YEARS 89-88 89-88	PART NO. V-2633 Std Only V-2632 Std Only
				DESCRIPTION Chrome plated stem; 1.4528" Head Dia., .3126" Stem Dia., 4.2559" O.A.L. 1.7360" Head Dia., .3130" Stem Dia., 4.2800" O.A.L.
	QTY 4 4 4	VALVE GUIDE Guide Guide	YEARS 89-88 89-88 89-88	PART NO. VG-697 VG-698
				DESCRIPTION Exh.; .3148" ID, 2.1600" O.A.L. Int.; .3145" ID, 1.8000" O.A.L.
	QTY 8	VALVE SPRING Spring	YEARS 89-88	PART NO. VS-1528
				DESCRIPTION 1.8960" Free Height
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS 89-88	PART NO. ST-2034
				DESCRIPTION Positive type; Viton®
	QTY 4	VALVE SEAT Exh.	YEARS 89-88	PART NO. 245-1625-54 Std Only
				DESCRIPTION 1.6320" OD, 1.3290" ID, .2800" Depth
B L O C K	QTY 16	VALVE, MISC Keeper	YEARS 89-88	PART NO. VK-215
				DESCRIPTION
	QTY 1	PISTON Pin Bushing Set	YEARS 89-88	PART NO. 4-3574Y
				DESCRIPTION
	QTY 1 1 1	RINGS Premium Set Standard Set Premium Single Cylinder Set	YEARS 89-88 89-88 89-88	PART NO. E-616KC Std-.50-.75-1.00MM E-616X Std-.50-.75-1.00MM WE-616KC Std-.50-.75MM
				DESCRIPTION 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM
	QTY 1 1 1 1	ENGINE BEARINGS Main Set Thrust Washer Set Rod Set Cam Set	YEARS 89-88 89-88 89-88 89-88	PART NO. 6631M Std-.25-.50-.75MM 3571BF Std Only 4-3570CPB Std-.25-.50-.75-1.00MM 1858M Std Only
				DESCRIPTION Position 3
	QTY 1	OIL PUMP Oil Pump	YEARS 89-88	PART NO. 224-43413
				DESCRIPTION
B L O C K	QTY 1	GASKETS Kit Gasket Set	YEARS 89-88	PART NO. 260-1767
				DESCRIPTION PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 89-88	PART NO. 381-8101	DESCRIPTION

(continued on next page)

Isuzu Car

10 2.3L 2254cc SOHC L4 (8 Valve), 89.3mm Bore 1989-88
(cont.) Eng. Code "4ZD1" 1988-89

RE-RING KIT							
YEARS	DESCRIPTION					PREMIUM KIT NO.	ECONOMY KIT NO.
89-88	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring				205-6878	205-1878
		Re-ring w/Mains				205-6878M	205-1878M

Isuzu SUV's - See Isuzu Truck Isuzu Truck (Includes SUV's)

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.8L 1817cc SOHC L4 84mm Bore (8 Valve) L/D Truck.....	1982-81	1	2.6L 2559cc SOHC L4 92.6mm Bore (8 Valve) L/D Truck.....	1990-88	6
1.9L 1949cc SOHC L4 87mm Bore (8 Valve) L/D Truck.....	1987-83	2	2.8L 2835cc OHV V6 89mm Bore (Chevrolet) (GMC Eng.) L/D Truck.....	1990-89	7
2.2L 2238cc OHV Diesel L4 88mm Bore (8 Valve) L/D Truck.....	1987-81	3	3.9L 3856cc OHV Diesel L4 102mm Bore (8 Valve) L/D Truck.....	1988-85	8
2.2L 2238cc OHV Turbo-Diesel L4 88mm Bore (8 Valve) L/D Truck.....	1987-86	4	3.9L 3856cc OHV Turbo-Diesel L4 102mm Bore (8 Valve) L/D Truck.....	1990-85	9
2.3L 2254cc SOHC L4 89.3mm Bore (8 Valve) L/D Truck.....	1990-86	5			
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
C223.....	2.2L 2238cc OHV Diesel L4 88mm Bore (8 Valve) L/D Truck.....	3	4BD1-N.....	3.9L 3856cc OHV Diesel L4 102mm Bore (8 Valve) L/D Truck.....	8
C223-T.....	2.2L 2238cc OHV Turbo-Diesel L4 88mm Bore (8 Valve) L/D Truck.....	4	4BD1-T.....	3.9L 3856cc OHV Turbo-Diesel L4 102mm Bore (8 Valve) L/D Truck.....	9
G180Z.....	1.8L 1817cc SOHC L4 84mm Bore (8 Valve) L/D Truck.....	1	4BD2-TC.....	3.9L 3856cc OHV Turbo-Diesel L4 102mm Bore (8 Valve) L/D Truck.....	9
G200Z.....	1.9L 1949cc SOHC L4 87mm Bore (8 Valve) L/D Truck.....	2	4ZD1.....	2.3L 2254cc SOHC L4 89.3mm Bore (8 Valve) L/D Truck.....	5
LL2.....	2.8L 2835cc OHV V6 89mm Bore (Chevrolet) (GMC Eng.) L/D Truck.....	7	4ZE1.....	2.6L 2559cc SOHC L4 92.6mm Bore (8 Valve) L/D Truck.....	6

1 1.8L 1817cc SOHC L4 (8 Valve), 84mm Bore 1982-81 L/D Truck Eng. Code "G180Z" 1981-82					
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	82-81	CS-720	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	82-81	R-901	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	82-81	V-2251 Std Only	Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L.
BLOCK	4	Intake	82-81	V-2252 Std Only	Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	82-81	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.
	4	Guide	82-81	VG-698	Int.; .3145" ID, 1.8000" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	82-81	ST-2034	Positive type; Viton®
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	82-81	VK-215	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	82-81	4-3574Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	82	E-519K.50MM .50MM	2-1.50MM, 1-4.00MM
	1	Premium Set	81	E-357KC Std-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	82	E-519X Std Only	2-1.50MM, 1-4.00MM
	1	Standard Set	81	E-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	82	WE-519KC Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	81	WE-357KC Std-.50-.75MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	81	WE-357X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-81	5028M Std-.25-.50-.75MM	

(continued on next page)

Isuzu Truck (Includes SUV's)

1.8L 1817cc SOHC L4 (8 Valve), 84mm Bore 1982-81 1					
L/D Truck Eng. Code "G180Z" 1981-82 (cont.)					
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Thrust Washer Set	82-81	3571BF Std Only	Position 3
	1	Rod Set	82-81	4-3570CPB Std-.25-.50-.75-1.00MM	
	1	Cam Set	82-81	1858M Std Only	
K I T S	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	82-81	260-1090	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
		RE-RING KIT			
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
B L O C K	82	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring	205-1360
				Re-ring w/Mains	205-1360M
	81	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		Re-ring	205-829
					205-329
1.9L 1949cc SOHC L4 (8 Valve), 87mm Bore 1987-83 2					
L/D Truck Eng. Code "G200Z" 1983-87					
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	87-83	CS-720	
	1	Prelube	87-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	87-84	R-1016	Exh. & Int.; Trooper
	8	Arm	87-83	R-901	Exh. & Int.; Pickup
	1	Rocker Shaft	87	RS-706	Int.
	1	Rocker Shaft	86	RS-707	Exh.; Trooper
	1	Rocker Shaft	86	RS-706	Int.
	1	Rocker Shaft	85-83	RS-706	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	87-83	V-2251 Std Only	Chrome plated stem; 1.3360" Head Dia., .3120" Stem Dia., 4.3010" O.A.L.
	4	Intake	87-83	V-2252 Std Only	Chrome plated stem; 1.5906" Head Dia., .3140" Stem Dia., 4.3543" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	87-83	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.
	4	Guide	87-83	VG-698	Int.; .3145" ID, 1.8000" O.A.L.
B L O C K	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	87-83	VS-1528	Outer; 1.8960" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	87-83	ST-2034	Positive type; Viton®
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	87-83	VK-215	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	87-83	592P.75MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.455" CD, .8662" Pin Dia., Flat Head
	1	Pin Bushing Set	87-83	4-3574Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87	E-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
	1	Premium Set	86	E-475KC	Std-.50-.75MM Exc. Trooper; 2-1.50MM, 1-4.00MM
	1	Premium Set	85-83	E-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
	1	Standard Set	87	E-475X	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM
	1	Standard Set	86	E-475X	Std-.50-.75-1.00MM Exc. Trooper; 2-1.50MM, 1-4.00MM
	1	Standard Set	85-83	E-475X	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87	WE-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86	WE-475KC	Std-.50-.75MM Exc. Trooper; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	85-83	WE-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-86	6631M	Std-.25-.50-.75MM
	1	Main Set	85-83	5028M	Std-.25-.50-.75MM
	1	Thrust Washer Set	87-83	3571BF Std Only	Position 3
B L O C K	1	Rod Set	87-83	4-3570CPB Std-.25-.50-.75-1.00MM	
	1	Cam Set	87-83	1858M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	86	224-43413	Trooper

(continued on next page)

Isuzu Truck (Includes SUV's)

2 1.9L 1949cc SOHC L4 (8 Valve), 87mm Bore 1987-83 (cont.) L/D Truck Eng. Code "G200Z" 1983-87						
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-83	260-1090	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6320	205-1320
	87	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6320AM	205-1320AM
	86	Exc. Trooper; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6320	205-1320
	86	Exc. Trooper; Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6320AM	205-1320AM
	85-83	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6320 205-6320M	205-1320 205-1320M
3 2.2L 2238cc OHV Diesel L4 (8 Valve), 88mm Bore 1987-81 L/D Truck Eng. Code "C223" 1981-87						
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	87-81	VG-750	.3153" ID, 1.9700" O.A.L.	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-83	E-786KC Std Only	2-2.00MM, 1-4.00MM; Use w/Cast iron liners	
	1	Premium Set	83-81	E-837KC Std Only	1-2.50MM, 1-2.00MM, 1-4.50MM; Use w/Cast iron liners	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-81	7094M Std-.25MM	Position 3	
	1	Thrust Washer Set	87-81	67006BF Std Only		
1	Rod Set	87-81	4-4000CP Std-.25-.50-.75-1.00MM			
1	Cam Set	87-81	1746M Std Only			
4 2.2L 2238cc OHV Turbo-Diesel L4 (8 Valve), 88mm Bore 1987-86 L/D Truck Eng. Code "C223-T" 1986-87						
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	87-86	V-2305X Std Only	1.2600" Head Dia., .3121" Stem Dia., 4.5600" O.A.L.	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-86	E-728KC Std Only	1-2.50MM, 1-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-86	7094M Std-.25MM	Position 3	
	1	Thrust Washer Set	87-86	67006BF Std Only		
	1	Rod Set	87-86	4-4000CP Std-.25-.50-.75-1.00MM		
1	Cam Set	87-86	1746M Std Only			
5 2.3L 2254cc SOHC L4 (8 Valve), 89.3mm Bore 1990-86 L/D Truck Eng. Code "4ZD1" 1986-95						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-86	222-122		
	1	Timing Belt Tensioner	90-86	222-263BT		
	1	Timing Belt & Tensioner Set	90-86	BTS-122		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-86	CS-620	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	1	Prelube	90-86	55-400		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	90-86	R-1016	Exh. & Int.	
	1	Rocker Shaft	90-86	RS-707	Exh.	
	1	Rocker Shaft	90-86	RS-706	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-86	V-2634X Std Only	Chrome plated stem; 1.4130" Head Dia., .3120" Stem Dia., 4.3840" O.A.L.	
	4	Intake	90-86	V-2616 Std Only	Chrome plated stem; 1.6630" Head Dia., .3130" Stem Dia., 4.3570" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90-86	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	90-86	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	

(continued on next page)

Isuzu Truck (Includes SUV's)

2.3L 2254cc SOHC L4 (8 Valve), 89.3mm Bore 1990-86 **5**
L/D Truck Eng. Code "4ZD1" 1986-95 (cont.)

B L O C K	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Spring	90-86	VS-1528	1.8960" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90-86	ST-2034	Positive type; Viton®	
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	B L O C K
	4	Exh.	90-86	245-1562-66 Std Only	1.5695" OD, 1.2650" ID, .2800" Depth	
	4	Int.	90-86	245-1750-51 Std Only	1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
B L O C K	16	Keeper	90-89	VK-215	Exc. Amigo	B L O C K
	16	Keeper	88-86	VK-215		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	90-86	4-3574Y		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Premium Set	90-86	E-616KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	90-86	E-616X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90-86	WE-616KC Std-.50-.75MM	2-1.50MM, 1-4.00MM	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Main Set	90-86	6631M Std-.25-.50-.75MM		
	1	Thrust Washer Set	90-86	3571BF Std Only	Position 3	
	1	Rod Set	90-86	4-3570CPB Std-.25-.50-.75-1.00MM		
B L O C K	1	Cam Set	90-86	1858M Std Only		B L O C K
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-86	224-43413		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Kit Gasket Set	90-86	260-1767	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	B L O C K
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-86	381-8101		
	RE-RING KIT					K I T S
K I T S	YEARS	DESCRIPTION				
	90-86	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		PREMIUM KIT NO. 205-6878	
			Re-ring w/Mains		205-6878M	
K I T S	OVERHAUL KIT					K I T S
	YEARS	DESCRIPTION				
	90-89	Amigo; Complete gskt. set	Block		PREMIUM KIT NO. BK-6279	
	90-89	Amigo; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6279	
K I T S	90-86	Pickup & Trooper; Complete gskt. set	Block		BK-6279	K I T S
	90-86	Pickup & Trooper; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs		BKP-6279	

2.6L 2559cc SOHC L4 (8 Valve), 92.6mm Bore 1990-88 **6**
L/D Truck Eng. Code "4ZE1" 1988-97

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Belt	90-88	222-147		
	1	Timing Belt Tensioner	90-88	222-183BT		
	1	Timing Belt & Tensioner Set	90-88	BTS-147		
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Camshaft	90-88	CS-620		
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	4	Arm	90-88	R-1016	Exh. & Int.	V A L V E T R A I N
	1	Rocker Shaft	90-88	RS-707	Exh.	
	1	Rocker Shaft	90-88	RS-706	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
V A L V E T R A I N	4	Exhaust	90-88	V-2633 Std Only	Chrome plated stem; 1.4528" Head Dia., .3126" Stem Dia., 4.2559" O.A.L.	V A L V E T R A I N
	4	Intake	90-88	V-2632 Std Only	1.7360" Head Dia., .3130" Stem Dia., 4.2800" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90-88	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
V A L V E T R A I N	4	Guide	90-88	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	V A L V E T R A I N
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90-88	VS-1528	1.8960" Free Height	

(continued on next page)

Isuzu Truck (Includes SUV's)

6 2.6L 2559cc SOHC L4 (8 Valve), 92.6mm Bore 1990-88 (cont.) L/D Truck Eng. Code "4ZE1" 1988-97						
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90-88	ST-2034	Positive type; Viton®	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	90-88	245-1625-54	Std Only 1.6320" OD, 1.3290" ID, .2800" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90-88	VK-215		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90-88	13508P	Std-.50MM Cast; 2-1.50mm, 1-4.00mm Ring Groove, 36.5mm CD, 23.0mm Pin Dia., Recessed Head 1.40mm deep x 80.00mm dia.	
	4	Cast Piston - Individual	90-88	W13508P	Std-.50MM Cast; 2-1.50mm, 1-4.00mm Ring Groove, 36.5mm CD, 23.0mm Pin Dia., Recessed Head 1.40mm deep x 80.00mm dia.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-88	E-617K	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM		
1	Standard Set	90-88	E-617X	Std-.50-1.00MM 2-1.50MM, 1-4.00MM		
4	Premium Single Cylinder Set	90-88	WE-617K1.00MM	.50-1.00MM 2-1.50MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-88	7320M	Std-.25-.50MM Thrust washer set not incl.		
1	Thrust Washer Set	90-88	3571BF	Std Only Position 3		
1	Rod Set	90-88	4-4595P	Std-.25-.50MM		
1	Cam Set	90-88	1858M	Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90	224-41996	Trooper, Pickup & Amigo		
1	Oil Pump	89	224-41996	Trooper, Pickup & Amigo		
1	Oil Pump	88	224-41996	Trooper & Pickup		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-88	260-1768	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-88	381-8102			
K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	90-88	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.		205-6875	205-1875	
	90-88	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Thrust washer set not incl.		205-6875M	205-1875M	
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION				
	90-89	Exh. pipe packing not incl.; Trooper, Pickup & Amigo; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Thrust washer set not incl.		BKP-6281	----	
90-88	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Thrust washer set not incl.		BK-6281	----		
88	Exh. pipe packing not incl.; Trooper & Pickup; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.; Thrust washer set not incl.		BKP-6281	----		
7 2.8L 2835cc OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1990-89 L/D Truck Eng. Code "LL2" 1989-91						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	3 Piece Set	90-89	KT3-368S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511		
1	3 Piece Set	90-89	KT3-373S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511		
1	Timing Chain	90-89	222-368	11 links wide; 64 Links		
1	Chain Damper	90-89	222-59CT			
1	Crank Sprocket	90-89	223-511	20 Teeth		
1	Cam Sprocket	90-89	223-506	40 Teeth		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft	90-89	CS-1539			

(continued on next page)

Isuzu Truck (Includes SUV's)

2.8L 2835cc OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1990-89 **7**
L/D Truck Eng. Code "LL2" 1989-91 (cont.)

QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
12	Lifter	90-89	HT-2095 Std Only	Hyd.
12	Lifter, Bulk	90-89	HT-2095B Std Only	Hyd.; Carton of 128
1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-89	KC-1539	Hyd.; Incl. (1) CS-1539, (12) HT-2095, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	90-89	RP-3207	6.1630" O.A.L.
12	Push Rod, Bulk	90-89	BRP-3207	Carton of 100; 6.1630" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	90-89	R-881	Incl. arm, ball & nut
12	Arm Assy., Bulk	90-89	R-881B	Incl. arm, ball & nut; Carton of 64
12	Arm	90-89	R-881A	
12	Stud	90-89	MR-1883	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	90-89	V-2290 Std-15	Chrome plated stem; 1.4250" Head Dia., .3413" Stem Dia., 4.7360" O.A.L.
6	Exhaust, Bulk	90-89	V-2290B15 15	Chrome plated stem; Carton of 25; 1.4252" Head Dia., .3563" Stem Dia., 4.7370" O.A.L.
6	Intake	90-89	V-2291 Std-15	Chrome plated stem; 1.7181" Head Dia., .3413" Stem Dia., 4.7050" O.A.L.
6	Intake, Bulk	90-89	V-2291B15 15	Chrome plated stem; Carton of 25; 1.7181" Head Dia., .3563" Stem Dia., 4.7050" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	90-89	VG-1377	Exh. & Int.; w/Alum. heads; Incl. lock ring; Threaded; .3155" ID, 2.0850" O.A.L.
12	Guide	90-89	VG-5080	Exh. & Int.; w/Cast iron head; .3440" ID, 2.0000" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-89	VS-798	Exh. & Int.; 1.9100" Free Height
12	Spring, Bulk	90-89	VS-798B	Exh. & Int.; Carton of 250; 1.9100" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	90-89	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal	90-89	MV-1888C	Positive type; Viton®
12	Valve Stem Seal Bulk	90-89	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	90-89	MV-1888	Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	90-89	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
6	Exh.	90-89	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
6	Int.	90-89	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
6	Int.	90-89	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	90-89	VK-115	1 groove; Square cut key groove
24	Keeper	90-89	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	90-89	VK-115B	1 groove; Square cut key groove; Carton of 1000
12	Spring Insert	90-89	259-201B	.030"; Carton of 100
12	Spring Insert	90-89	259-201A	.060"; Carton of 100
12	Spring Insert	90-89	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	90-89	464CP Std-.50-.75-1.00-1.50MM	Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
6	Cast Piston	90-89	464P Std-.50-.75-1.00-1.50MM	Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
6	Cast Piston - Individual	90-89	W464P Std-.50-.75-1.00-1.50MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
6	Cast Piston - Individual	90-89	W464CP Std-.50-.75-1.00-1.50MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	90-89	6K464CP.75MM .75-1.00MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, 23.0mm Pin Dia., Flat Head; DurOshield® skirt coated piston
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-89	E-432K Std-.50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Standard Set	90-89	E-432X Std-.50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove

(continued on next page)

Isuzu Truck (Includes SUV's)

7 2.8L 2835cc OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1990-89 (cont.) L/D Truck Eng. Code "LL2" 1989-91					
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Premium Single Cylinder Set	90-89	WE-432K Std.-50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
	6	Standard Single Cylinder Set	90-89	WE-432X Std.-50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
	1	Main Set	90-89	7242MA Std.-.25-.50-.75-1.00MM	A-Series aluminum bearings; 3/4 grooved
	1	Rod Set	90-89	6-4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	1	Rod Set	90-89	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	6	Rod Pair	90-89	4020A Std.-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings
	6	Rod Pair	90-89	4020P + Std.-.026MM	When depleted use 4020A
BLOCK	1	Cam Set	90-89	1492M Std Only	Full round design
	1	Cam Set	90-89	1785M Std Only	O.E. split type design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-4152V	Trooper; 2nd Design; High Volume, check pan for clearance; 3/4" inlet
	1	Oil Pump	90	224-4152	Trooper; 3/4" inlet
	1	Oil Pump	89	224-4148V	Trooper; High Volume, check pan for clearance; 5/8" inlet
	1	Oil Pump	89	224-4148	Trooper; 5/8" inlet
	1	Pump Repair Kit	90-89	224-51317	Trooper
	1	Inter. Shaft	90-89	224-6148	Trooper
	1	Oil Pump Shaft Guide	90-89	224-43351	Trooper; Nylon
BLOCK	1	Screen Assy.	90-89	224-14232	Trooper; 5/8" inlet tube
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1232	Exh. pipe packing not incl.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Steel Block Plug Kit	90-89	381-4012	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6296	205-1296
	90-89	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.; Incl. 3/4 grooved main brgs.	Re-ring w/Mains	205-6296M	205-1296M
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-89	Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.	Block	BK-6278	----
BLOCK	8 3.9L 3856cc OHV Diesel L4 (8 Valve), 102mm Bore 1988-85 L/D Truck Eng. Code "4BD1-N" 1985-88				
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	2	Premium Set	88-85	10590KX Std Only	1-3.00MM, 1-2.50MM, 1-5.00MM (2 cyl. set); Use w/Cast iron liners
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-85	7194M Std.-.25-.50MM	
	1	Thrust Washer Set	88-85	3952BF Std Only	
	2	Rod Set	88-85	2-3950CP Std.-.25-.50-.75-1.00MM	
BLOCK	9 3.9L 3856cc OHV Turbo-Diesel L4 (8 Valve), 102mm Bore 1990-85 L/D Truck Eng. Codes "4BD1-T" 1985-94, "4BD2-TC" 1995-98				
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	2	Premium Set	90-85	10590KX Std Only	1-3.00MM, 1-2.50MM, 1-5.00MM (2 cyl. set); Use w/Cast iron liners
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-85	7194M Std.-.25-.50MM	
	1	Thrust Washer Set	90-85	3952BF Std Only	

(continued on next page)

Isuzu Truck (Includes SUV's)

3.9L 3856cc OHV Turbo-Diesel L4 (8 Valve), 102mm Bore 1990-85 9 L/D Truck Eng. Codes "4BD1-T" 1985-94, "4BD2-TC" 1995-98 (cont.)				
QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
2	Rod Set	90-85	2-3950CP Std-.25-.50-.75-1.00MM	

Jeep

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
2.1L 126 (2068cc) SOHC Turbo-Diesel L4 86mm Bore (8 Valve) (Renault Eng.) L/D Truck	1990-85	1	3.8L 230 SOHC L6 3.3438" Bore (Tornado) (Continental Eng.) L/D Truck	1965-62 11
2.2L 134 F-HEAD L4 3.125" Bore (Hurricane) L/D Truck	1973-53	2	3.8L 232 OHV L6 3.75" Bore (Hi Torque) (AMC Eng.) L/D Truck	1979-65 12
2.2L 134 L-HEAD L4 3.125" Bore (Lightning) L/D Truck	1968-41	3	4.0L 242 OHV L6 3.875" Bore (Jeep) (AMC Eng.) L/D Truck	1990-87 13
2.4L 144.6 (2369cc) OHV Diesel L4 86mm Bore (8 Valve) (Isuzu Eng.) L/D Truck	1986-81	4	4.2L 258 OHV L6 3.75" Bore (AMC Eng.) L/D Truck	1990-71 14
2.5L 150 OHV L4 3.875" Bore (AMC) (AMC Eng.) L/D Truck	1990-83	5	5.0L 304 OHV V8 3.75" Bore (AMC Eng.) L/D Truck	1981-71 15
2.5L 151 OHV L4 4" Bore (Pontiac) (GMC Eng.) L/D Truck	1983-80	6	5.3L 327 OHV V8 4" Bore (Vigilante) (AMC Eng.) L/D Truck	1968-65 16
2.8L 173 (2835cc) OHV V6 89mm Bore (Chevrolet) (GMC Eng.) L/D Truck	1986-84	7	5.7L 350 OHV V8 3.8" Bore (Buick) (GMC Eng.) L/D Truck	1971-68 17
3.7L 225 OHV V6 3.75" Bore (Buick) (GMC Eng.) L/D Truck	1971-66	8	5.9L 360 OHV V8 4.08" Bore (AMC Eng.) L/D Truck	1990-70 18
3.7L 226 OHV L6 3.3125" Bore (12 Valve) (Continental Eng.) L/D Truck	1965-47	9	6.6L 401 OHV V8 4.165" Bore (AMC Eng.) L/D Truck	1978-74 19
3.7L 226 L-HEAD L6 3.3125" Bore (12 Valve) (Continental Eng.) L/D Truck	1963-54	10		
Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
C240	2.4L 144.6 (2369cc) OHV Diesel L4 86mm Bore (8 Valve) (Isuzu Eng.) L/D Truck	4		
852	2.1L 126 (2068cc) SOHC Turbo-Diesel L4 86mm Bore (8 Valve) (Renault Eng.) L/D Truck	1		

2.1L 126 (2068cc) SOHC Turbo-Diesel L4 (8 Valve), 86mm Bore (Renault Eng.) 1990-85 1 L/D Truck VIN Code "B" 1985-90, Eng. Code "852" 1985-90				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-85	245-1437-66 Std Only	1.4445" OD, 1.1200" ID, .3000" Depth
2.2L 134 F-HEAD L4 (Hurricane), 3.125" Bore 1973-53 2 L/D Truck VIN Codes "F" 1970-71, "J" 1967-68, "R" 1972-73, "T" 1972-73, "4" 1967-68				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Crank Gear	73-54	221-2901	28 Teeth
1	Crank Gear	53	221-2901	From Eng. No. 44417; 28 Teeth
1	Cam Gear	73-53	221-2900	56 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	73-53	CS-301	
1	Prelube	73-53	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	73-53	V-1681 Std Only	w/Rotocaps; Use w/Rotocaps; 1.4680" Head Dia., .3715" Stem Dia., 5.9130" O.A.L.
4	Intake	73-53	V-1060 Std Only	2.0000" Head Dia., .3733" Stem Dia., 4.7910" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	73-53	VG-130	Exh.; .3750" ID, 3.0630" O.A.L.
4	Guide	73-53	VG-460	Int.; .3750" ID, 2.3750" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
4	Spring	73-53	VS-313	Exh.; 2.5000" Free Height
4	Spring	73-53	VS-415	Int.; 1.9700" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	73-53	MV-1551	Int.; O-Ring; Carton of 50; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	73-53	245-1562-4 Std Only	1.5670" OD, 1.3125" ID, .2480" Depth

(continued on next page)

Jeep

2 2.2L 134 F-HEAD L4 (Hurricane), 3.125" Bore 1973-53 (cont.) L/D Truck VIN Codes "F" 1970-71, "J" 1967-68, "R" 1972-73, "T" 1972-73, "4" 1967-68					
B L O C K	QTY	VALVE SEAT (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Int.	73-53	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	73-53	VK-115	Exh.; 1 groove; Square cut key groove
	8	Keeper	73-53	VK-115R	Exh.; 1 groove; Square cut key groove; Hardened
	8	Keeper	73-53	VK-50	Int.
	8	Keeper, Bulk	73-53	VK-115B	Exh.; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	73-53	88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
	4	Cast Piston - Individual	73-53	W88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	73-53	E-104KC Std-20-30-40-60	2-3/32, 1-3/16
	1	Standard Set	73-53	E-104X Std-20-30-40-60-80	2-3/32, 1-3/16
	4	Premium Single Cylinder Set	73-53	WE-104KC Std-20-30-40-60	2-3/32, 1-3/16
	4	Standard Single Cylinder Set	73-53	WE-104X Std-20-30-40-60	2-3/32, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	4	Repair Sleeve	73-53	SL-9M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	73-53	558M Std-10-20-30-40-50-60-70	
	1	Rod Set	73-53	4-9955SB Std-10-20-30-40-50-60-70-80	
	4	Rod Pair	73-53	9955SB Std-10-20-30-40-50-60-70-80	
	1	Cam Set	73-53	1091M Std Only	
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	73-53	224-41255	
3 2.2L 134 L-HEAD L4 (Lightning), 3.125" Bore 1968-41 L/D Truck					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Gear	68-42	221-2901	28 Teeth
	1	Crank Gear	41	221-2901	From Eng. No. 44417; 28 Teeth
	1	Cam Gear	68-46	221-2900	56 Teeth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	68-46	V-340 Std Only	1.4690" Head Dia., .3715" Stem Dia., 5.8100" O.A.L.
	4	Exhaust	42-41	V-340 Std Only	1.4690" Head Dia., .3715" Stem Dia., 5.8100" O.A.L.
	4	Intake	68-46	V-341 Std Only	1.5310" Head Dia., .3725" Stem Dia., 5.8100" O.A.L.
	4	Intake	42-41	V-341 Std Only	1.5310" Head Dia., .3725" Stem Dia., 5.8100" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	68-46	VG-130	Exh.; .3750" ID, 3.0630" O.A.L.
	4	Guide	68-46	VG-338	Int.; .3750" ID, 2.7500" O.A.L.
	4	Guide	42-41	VG-130	Exh.; .3750" ID, 3.0630" O.A.L.
	4	Guide	42-41	VG-338	Int.; .3750" ID, 2.7500" O.A.L.
V A L V E T R A I N	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	68-46	VS-313	Exh. & Int.; 2.5000" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	68-46	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.	68-46	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	4	Int.	42-41	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	4	Int.	42-41	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	68-46	VK-50	Exh. & Int.
	16	Keeper	42-41	VK-50	Exh. & Int.
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	68-46	88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
	4	Cast Piston	42-41	88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
	4	Cast Piston - Individual	68-46	W88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
	4	Cast Piston - Individual	42-41	W88NP Std-20-30-40-60-80	Cast; 2-3/32", 1-3/16" Ring Groove, 2.167" CD, .8120" Pin Dia., Flat Head - 6.7:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	68-46	E-104KC Std-20-30-40-60	2-3/32, 1-3/16
	1	Premium Set	42-41	E-104KC Std-20-30-40-60	2-3/32, 1-3/16

(continued on next page)

2.2L 134 L-HEAD L4 (Lightning), 3.125" Bore 1968-41 3
L/D Truck (cont.)

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Standard Set	68-46	E-104X Std-20-30-40-60-80	2-3/32, 1-3/16	
	1	Standard Set	42-41	E-104X Std-20-30-40-60-80	2-3/32, 1-3/16	
	4	Premium Single Cylinder Set	68-46	WE-104KC Std-20-30-40-60	2-3/32, 1-3/16	
	4	Premium Single Cylinder Set	42-41	WE-104KC Std-20-30-40-60	2-3/32, 1-3/16	
	4	Standard Single Cylinder Set	68-46	WE-104X Std-20-30-40-60	2-3/32, 1-3/16	
	4	Standard Single Cylinder Set	42-41	WE-104X Std-20-30-40-60	2-3/32, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	4	Repair Sleeve	66-46	SL-9M Std Only	3/32" wall, must be cut to correct length	
	4	Repair Sleeve	42-41	SL-9M Std Only	3/32" wall, must be cut to correct length	
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set	68-46	558M Std-10-20-30-40-50-60-70		
	1	Main Set	42-41	558M Std-10-20-30-40-50-60-70		
	1	Rod Set	68-46	4-9955SB Std-10-20-30-40-50-60-70-80		
	1	Rod Set	42-41	4-9955SB Std-10-20-30-40-50-60-70-80		
	4	Rod Pair	68-46	9955SB Std-10-20-30-40-50-60-70-80		
	4	Rod Pair	42-41	9955SB Std-10-20-30-40-50-60-70-80		
	1	Cam Set	68-46	1091M Std Only		
	1	Cam Set	42-41	1091M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	68-47	224-41255		
	1	Oil Pump	46	224-41255	From Ser. No. 44417	

2.4L 144.6 (2369cc) OHV Diesel L4 (8 Valve), 86mm Bore (Isuzu Eng.) 1986-81 4
L/D Truck Eng. Code "C240" 1981-86

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	86-81	6781M Std Only	
1	Thrust Washer Set	86-81	67328BF Std Only	
1	Rod Set	86-81	4-4000CP Std-.25-.50-.75-1.00MM	
1	Cam Set	86-81	1746M Std Only	

2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1990-83 5
L/D Truck VIN Codes "E" 1989-90, "H" 1986-88 & 1997-2002, "P" 1991-2002, "U" 1983-88

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	90-83	KT3-3SR64S	Incl. (1) 222-3SR64, (1) 223-607, (1) 223-608A	
	1	Timing Chain	90-83	222-3SR64	Single rlr.; 64 Links	
	1	Timing Chain Tensioner	90-83	222-167CT		
	1	Timing Chain Guide	90-83	222-337GP		
	1	Crank Sprocket	90-83	223-607	24 Teeth	
	1	Cam Sprocket	90-83	223-608A	48 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-83	CS-779		
	8	Lifter	90-83	HT-2011 Std Only	Hyd.	
VALVE TRAIN	8	Lifter, Bulk	90-83	HT-2011B Std Only	Hyd.; Carton of 117	VALVE TRAIN
	1	Prelube	90-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-83	KC-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-83	KCT-779	Hyd.; Incl. (1) CS-779, (8) HT-2011, (1) KT3-3SR64S, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	8	Push Rod	90-83	RP-3236	9.4860" O.A.L.	
	8	Push Rod, Bulk	90-83	BRP-3236	Carton of 100; 9.4860" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm Assy.	90-83	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm	
VALVE TRAIN	8	Arm Assy., Bulk	90-83	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32	VALVE TRAIN
	8	Arm	90-83	R-905A	Stamped rocker arm	
	4	Bridge	90-83	MR-1840		
	4	Pivot	90-83	MR-1909	Incl. 2-pivots & 1-bridge	
	8	Pivot	90-83	MR-1839	Pivot only	

(continued on next page)

Jeep

5 2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1990-83

(cont.) L/D Truck VIN Codes "E" 1989-90, "H" 1986-88 & 1997-2002, "P" 1991-2002, "U" 1983-88

VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-87	V-2526 Std-15	Chrome plated stem; w/radius key groove; 1.5000" Head Dia., .3108" Stem Dia., 4.9390" O.A.L.
	4	Exhaust	90-87	V-2295 Std Only	Chrome plated stem; Square cut key groove; 1.5000" Head Dia., .3115" Stem Dia., 4.9390" O.A.L.
	4	Exhaust	86-83	V-2295 Std Only	Chrome plated stem; Square cut key groove; 1.5000" Head Dia., .3115" Stem Dia., 4.9390" O.A.L.
	4	Exhaust, Bulk	90-87	V-2526B15 15	Chrome plated stem; w/radius key groove; Carton of 25; 1.5000" Head Dia., .3258" Stem Dia., 4.9390" O.A.L.
	4	Intake	90-87	V-2527 Std-15	w/radius key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
	4	Intake	90-87	V-2294 Std Only	Chrome plated stem; Square cut key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
	4	Intake	86-83	V-2294 Std Only	Chrome plated stem; Square cut key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
VALVE TRAIN	4	Intake, Bulk	90-87	V-2527B15 15	w/radius key groove; Carton of 25; 1.9100" Head Dia., .3265" Stem Dia., 4.9110" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-88	VS-1456	Conical design; 2.0160" Free Height
	8	Spring	87-83	VS-822	Cylindrical shape; 1.8340" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	90-84	ST-2043	Exh.; Positive type; Rubber
	4	Valve Stem Seal	90-84	ST-2044	Int.; Positive type; Rubber
	8	Valve Stem Seal	83	ST-2043	Exh. & Int.; Positive type; Rubber
	4	Valve Stem Seal Bulk	90-84	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber
VALVE TRAIN	8	Valve Stem Seal Bulk	83	ST-2043B	Exh. & Int.; Positive type; Carton of 1000; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-83	245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.	90-83	245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	4	Int.	90-83	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-87	VK-216	Radius cut; 1 groove
	16	Keeper	90-87	VK-144	1 groove; Square cut key groove
VALVE TRAIN	16	Keeper	90-87	VK-144R	1 groove; Square cut key groove; Hardened
	16	Keeper	86-83	VK-144	1 groove; Square cut key groove
	16	Keeper	86-83	VK-144R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk	90-87	VK-216B	Radius cut; 1 groove; Carton of 1000
	16	Keeper, Bulk	90-87	VK-144B	1 groove; Square cut key groove; Carton of 1000
	16	Keeper, Bulk	86-83	VK-144B	1 groove; Square cut key groove; Carton of 1000
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-83	525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston	90-83	525P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.
	4	Cast Piston - Individual	90-83	W525CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.; DurOshield® skirt coated piston
	4	Cast Piston - Individual	90-83	W525P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9310" Pin Dia., Recessed Head .116" deep - 9.2:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-83	E-450K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	90-83	E-450X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	4	Premium Single Cylinder Set	90-83	WE-450K Std-20-30-40-60	2-5/64, 1-3/16
	4	Standard Single Cylinder Set	90-83	WE-450X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-83	6676M Std-10-20-30	
	1	Rod Set	90-83	4-3310CPA Std-10-20-30-40	
	4	Rod Pair	90-83	3310CPA Std-1-2-10-20-30-40-50-60	
	1	Cam Set	90-83	1244M Std-10	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Oil Pump	90-83	224-41198	Replaces pump w/cover having tab & slotted hole
	1	Pump Repair Kit	90-83	224-51198	Use w/pump having cover w/tab & slotted hole
	1	Screen Assy.	90-86	224-14229	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-86	260-1192	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	85-83	260-1191	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.

(continued on next page)

2.5L 150 OHV L4 (AMC), 3.875" Bore (AMC Eng.) 1990-83 5					
L/D Truck VIN Codes "E" 1989-90, "H" 1986-88 & 1997-2002, "P" 1991-2002, "U" 1983-88 (cont.)					
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-83	381-8086		
K I T S	RE-RING KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	90-86	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-859 205-859M	205-359 205-359M
	85-83	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-858 205-858M	205-358 205-358M
	OVERHAUL KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	90-86	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Block w/Pump & Freeze Plugs	BKP-6187	----
	90-86	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Block	BK-6187	----
	90-86	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master Master w/o Pistons Master w/o Rods & Mains	MKP-7050 MK-7050 505-7050	MKP-2050 MK-2050 505-2050
	90-86	Freeze plugs not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master Master w/o Pistons Master w/o Rods & Mains	MKP-859A MK-859A 505-859A	MKP-359A MK-359A 505-359A
	85-83	Freeze plugs not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master Master w/o Pistons Master w/o Rods & Mains	MKP-858A MK-858A 505-858A	MKP-358A MK-358A 505-358A
2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80 6					
L/D Truck VIN Code "B" 1980-83					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Gear Set	83-80	221-2542LS	Laminated cam gear; 221-2520 not sold separately; Incl. (1) 221-2537, (1) 221-2542	
1	Crank Gear	83-80	221-2537	27 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	83-80	CS-696		
8	Lifter	83-80	HT-969 Std Only	Hyd.; w/.440" wide oil groove	
8	Lifter, Bulk	83-80	HT-969B Std Only	Hyd.; Carton of 128	
1	Prelube	83-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
8	Push Rod	83-82	RP-3211	8.9760" O.A.L.	
8	Push Rod, Bulk	83-82	BRP-3211	Carton of 100; 8.9760" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
8	Arm Assy.	83-80	R-894	Incl. arm & 2-pivots	
8	Arm Assy., Bulk	83-80	R-894B	Incl. arm & 2-pivots; Carton of 64	
8	Arm	83-80	R-894A		
8	Pivot Ball	83-80	MR-1832	Hole I.D. .4365"	
8	Pivot Ball	83-80	MR-1841	Hole I.D. .4745"	
8	Nut	83-80	MR-1934	3/8" x 24 UNF	
8	Bolt	83-80	MR-1936		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	83-80	V-2203 Std Only	Chrome plated stem; 1.5000" Head Dia., .3422" Stem Dia., 4.6200" O.A.L.	
4	Intake	83-80	V-2204 Std Only	Chrome plated stem; 1.7200" Head Dia., .3422" Stem Dia., 4.6690" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	83-80	VG-5005	Exh. & Int.; .3430" ID, 2.2500" O.A.L.	
8	Guide	83-80	VG-5005H	Exh. & Int.; Hardened; .3430" ID, 2.2500" O.A.L.	
8	Guide	83-80	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.	
8	Guide, Bulk	83-80	VG-5005B	Exh. & Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.	
8	Guide, Bulk	83-80	VG-5005TB	Exh. & Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	83-80	VS-521	Incl. damper; 2.1090" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	83-80	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
8	Valve Stem Seal	83-80	MV-1233C	O-Ring; Rubber	
8	Valve Stem Seal Bulk	83-80	MV-1233	O-Ring; Carton of 100; Rubber	

(continued on next page)

Jeep

6 2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80 (cont.) L/D Truck VIN Code "B" 1980-83

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal Bulk	83-80	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	83-80	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
4	Exh.	83-80	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
4	Int.	83-80	245-1812-4N Std Only	Premium Material; 1.8175" OD, 1.5625" ID, .2160" Depth
4	Int.	83-80	245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	83-80	VK-115	1 groove; Square cut key groove
16	Keeper	83-80	VK-115R	1 groove; Square cut key groove; Hardened
16	Keeper, Bulk	83-80	VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Spring Insert	83-80	259-201B	.030"; Carton of 100
8	Spring Insert	83-80	259-201A	.060"; Carton of 100
8	Spring Insert	83-80	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	83-82	H553CP Std-20-30-40-60	Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	83-80	H547CP Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston	83-80	H547P Std-20-30-40-60	Use w/E-384K or E-384X ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston	81-80	465AP * Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.
4	Cast Piston	81-80	465NP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.
4	Cast Piston	81-80	H553CP Std-20-30-40-60	Use w/E-381K or E-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	83-82	WH553CP Std-20-30-40-60	Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	83-80	WH547CP Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
4	Cast Piston - Individual	83-80	WH547P Std-20-30-40-60	Use w/WE-384K ring set; Hypereutectic; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.
4	Cast Piston - Individual	81-80	W465NP Std Only	Use w/WE-381K or WE-381X ring set; Cast; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9275" Pin Dia., Recessed Head .245" deep x 3.070" dia. - 8.2:1 C.R.
4	Cast Piston - Individual	81-80	WH553CP Std-20-30-40-60	Use w/WE-381K or WE-381X ring set; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.570" CD, .9280" Pin Dia., Recessed Head .220" deep x 3.070" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings	83-80	4KH547CP60 60	Cast; 1-1/16", 1-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .165" deep x 3.120" dia. w/shallow oil ring groove for low tension oil ring - 9.0:1 C.R.; DurOshield® skirt coated piston
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	83-82	E-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
1	Premium Set	83-80	E-381K Std-20-30-40-60	Use w/H553CP piston; 2-5/64, 1-3/16
1	Standard Set	83-82	E-384X Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
1	Standard Set	83-80	E-381X Std-20-30-40-60	Use w/H553CP piston; 2-5/64, 1-3/16
4	Premium Single Cylinder Set	83-82	WE-384K Std-20-30-40-60	1-1/16, 1-5/64, 1-3/16
4	Premium Single Cylinder Set	83-80	WE-381K Std-20-30	Use w/WH553CP piston; 2-5/64, 1-3/16
4	Standard Single Cylinder Set	83-80	WE-381X Std-20-30-40	Use w/WH553CP piston; 2-5/64, 1-3/16
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
4	Repair Sleeve	83-80	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
4	Repair Sleeve	83-80	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"

(continued on next page)

2.5L 151 OHV L4 (Pontiac), 4" Bore (GMC Eng.) 1983-80 6						
L/D Truck VIN Code "B" 1980-83 (cont.)						
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	83-80	6689MA	Std-1-10-20-30 A-Series aluminum bearings	
	1	Rod Set	83-80	4-2500RAA	Std-1-10-20-30-40 A-Series aluminum bearings	
	1	Rod Set	83-80	4-2500RAA10X2	10X2-20X2-30X2 A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	4	Rod Pair	83-80	2500RAA	Std-1-2-10-20-30-40 A-Series aluminum bearings	
	1	Cam Set	83-80	1461M	Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	83-80	224-41239	High Volume, check pan for clearance	
	1	Oil Pump	83-80	224-41239V		
	1	Inter. Shaft	83-80	224-61239		
	1	Screen Assy.	83-80	224-11239		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	83-80	260-1128	Exh. pipe packing not incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	83-80	381-8045		
RE-RING KIT					PREMIUM	ECONOMY
YEARS DESCRIPTION					KIT NO.	KIT NO.
83-82 Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; For pistons w/1-1/16, 1-5/64, 1-3/16 ring groove Re-ring					205-714	205-214
2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1986-84 7						
L/D Truck VIN Code "W" 1984-86, Eng. I.D. Codes "T" 1985-86, "U" 1985-86 (Eng. I.D. Code is located at front of block & the code is the third character from the right)						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set	86-84	KT3-368S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	3 Piece Set	86-84	KT3-373S	Incl. chain 11 links wide; Incl. (1) 222-368, (1) 223-506, (1) 223-511	
	1	Timing Chain	86-84	222-368	11 links wide; 64 Links	
	1	Chain Damper	86-84	222-59CT		
	1	Crank Sprocket	86-84	223-511		
	1	Cam Sprocket	86-84	223-506		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	86-84	CS-715	Hyd. Hyd.; Carton of 128 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	12	Lifter	86-84	HT-2095		
	12	Lifter, Bulk	86-84	HT-2095B		
	1	Prelube	86-84	55-400		
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	86-84	KC-715	Hyd.; Incl. (1) CS-715, (12) HT-2095, (1) 55-403B Hyd.; Incl. chain 11 links wide; Incl. (1) CS-715, (12) HT-2095, (1) KT3-368S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	86-84	KCT-715		
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	86-84	RP-3207	6.1630" O.A.L. Carton of 100; 6.1630" O.A.L.	
	12	Push Rod, Bulk	86-84	BRP-3207		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm Assy.	86-84	R-881	Incl. arm, ball & nut Incl. arm, ball & nut; Carton of 64	
	12	Arm Assy., Bulk	86-84	R-881B		
	12	Arm	86-84	R-881A		
	12	Stud	86-84	MR-1883		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	86-84	V-2172	Std Only Chrome plated stem; 1.3070" Head Dia., .3413" Stem Dia., 4.7300" O.A.L. Chrome plated stem; 1.5980" Head Dia., .3410" Stem Dia., 4.6970" O.A.L. Chrome plated stem; Carton of 25; 1.6000" Head Dia., .3563" Stem Dia., 4.7000" O.A.L.	
	6	Intake	86-84	V-2173		
	6	Intake, Bulk	86-84	V-2173B15		
	15					
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	86-84	VG-5080	Exh. & Int.; .3440" ID, 2.0000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	86-84	VS-798	Exh. & Int.; 1.9100" Free Height Exh. & Int.; Carton of 250; 1.9100" Free Height	
	12	Spring, Bulk	86-84	VS-798B		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	86-84	MV-1233C	Exh. & Int.; O-Ring; Rubber Int.; Positive type; Viton®	
	6	Valve Stem Seal	86-84	MV-1888C		

(continued on next page)

Jeep

7 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1986-84

(cont.) L/D Truck VIN Code "W" 1984-86, Eng. I.D. Codes "T" 1985-86, "U" 1985-86 (Eng. I.D. Code is located at front of block & the code is the third character from the right)

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal Bulk	86-84	MV-1233	Exh. & Int.; O-Ring; Carton of 100; Rubber
6	Valve Stem Seal Bulk	86-84	MV-1888	Int.; Positive type; Carton of 50; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	86-84	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
6	Int.	86-84	245-1687-2 Std Only	1.6925" OD, 1.4375" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	86-84	VK-115	1 groove; Square cut key groove
24	Keeper	86-84	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	86-84	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	86-84	464CP Std-.50-.75-1.00-1.50MM	Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
6	Cast Piston	86-84	464P Std-.50-.75-1.00-1.50MM	Cast; Use w/E-411K, E-411KC or E-411X ring set; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
6	Cast Piston	86-84	516P Std-.50-.75-1.00-1.50MM	Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
6	Cast Piston	86-84	516CP.50MM .50-.75-1.00-1.50MM	VIN Code "S"; Use w/E-432K or E-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
6	Cast Piston - Individual	86-84	W464P Std-.50-.75-1.00-1.50MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head
6	Cast Piston - Individual	86-84	W464CP Std-.50-.75-1.00-1.50MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, .9055" Pin Dia., Flat Head; DurOshield® skirt coated piston
6	Cast Piston - Individual	86-84	W516P Std-.50-.75-1.00-1.50MM	Use w/WE-432K or WE-432X ring set; Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.
6	Cast Piston - Individual	86-84	W516CP.50MM .50-.75-1.00-1.50MM	VIN Code "W"; Use w/WE-478K or WE-478X ring set; Cast; 1-1.75mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.598" CD, .9055" Pin Dia., Flat Head w/shallow oil ring groove for low tension oil ring - 8.5:1 C.R.; DurOshield skirt coated piston
1	Cast Piston Set w/Prem. Rings	86-84	6K464CP.75MM .75-1.00MM	Cast; 1-1.50mm, 1-2.00mm, 1-4.75mm Ring Groove, 1.578" CD, 23.0mm Pin Dia., Flat Head; DurOshield® skirt coated piston
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	86	E-432K Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Premium Set	85-84	E-411K Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
1	Premium Set	85-84	E-411KC Std-.50-.75-1.00MM	1-1.50MM, 1-2.00MM, 1-4.76MM
1	Standard Set	86	E-432X Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
1	Standard Set	85-84	E-411X Std-.50-.75-1.00-1.50MM	w/deep oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.76MM
6	Premium Single Cylinder Set	86	WE-432K Std-.50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Premium Single Cylinder Set	86-84	WE-478K Std-.50-.75-1.00MM	Use w/W516CP .50mm piston; 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	85-84	WE-411K Std-.50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.76MM
6	Standard Single Cylinder Set	86	WE-432X Std-.50-.75-1.00-1.50MM	w/shallow oil ring groove; 1-1.50MM, 1-2.00MM, 1-4.75MM; w/Shallow oil ring groove
6	Standard Single Cylinder Set	86-84	WE-478X Std-.50-.75-1.00MM	Use w/W516CP .50mm piston; 2-1.50MM, 1-4.00MM
6	Standard Single Cylinder Set	85-84	WE-411X Std-.50-.75-1.00-1.50MM	1-1.50MM, 1-2.00MM, 1-4.76MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	86-85	7242MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings ; 3/4 grooved
1	Main Set	85	7244MA.25MM .25-.50-.75MM	A-Series aluminum bearings ; 2.6473/2.6479" std. shaft size; 3/4 grooved; .50MM O/S length flange brg.
1	Main Set	85-84	5090MA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings ; 2.4937/2.4946" std. shaft size

(continued on next page)

2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1986-84 7							
L/D Truck VIN Code "W" 1984-86, Eng. I.D. Codes "T" 1985-86, "U" 1985-86 (Eng. I.D. Code is located (cont.) at front of block & the code is the third character from the right)							
BLOCK	ENGINE BEARINGS						
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	85-84	7243MA.25MM .25-.50-.75MM	A-Series aluminum bearings; 2.4937/2.4946" std. shaft size; .50MM O/S length flange brg.		
	1	Main Set	85-84	7241MA Std-.25-.50-.75MM	A-Series aluminum bearings; 2.4937/2.4946" std. shaft size; 3/4 grooved		
	1	Rod Set	86-84	6-4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings		
	1	Rod Set	86-84	6-4020A25X2 25X2-50X2-75X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore		
	6	Rod Pair	86-84	4020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings		
	6	Rod Pair	86-84	4020P + Std-.026MM	When depleted use 4020A		
	1	Cam Set	86-84	1492M Std Only	Full round design		
	1	Cam Set	86-84	1785M Std Only	O.E. split type design		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	86-84	224-43389V	High Volume, check pan for clearance; Incl. shaft & screen		
	1	Oil Pump	86-84	224-4148V	High Volume, check pan for clearance; 5/8" inlet		
	1	Oil Pump	86-84	224-4148	5/8" inlet		
	1	Pump Repair Kit	86-84	224-51317			
	1	Inter. Shaft	86-84	224-6148			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	86	260-1144	Eng. I.D. Code "U"; Exh. pipe packing not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	86-85	260-1143	Eng. I.D. Code "T"; Exh. pipe packing not incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	84	260-1123	Exh. pipe packing not incl.; Premium valve stem seals incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	86-84	381-8046			
	1	Steel Block Plug Kit	86-84	381-4012			
	KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
		YEARS	DESCRIPTION				
		86	Eng. I.D. Code "T"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.	Re-ring w/Mains		205-727AM	205-227AM
86		Eng. I.D. Code "T"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-727A	205-227A	
86		Eng. I.D. Code "U"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.	Re-ring w/Mains		205-728AM	205-228AM	
86		Eng. I.D. Code "U"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-728A	205-228A	
85		Eng. I.D. Code "T"; Exh. pipe packing not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-6299	205-1299	
84		Exh. pipe packing not incl.; Deep oil ring groove set; Incl. A-Series aluminum bearings; w/2.4937/2.4946" std. shaft size; Premium valve stem seals incl.	Re-ring w/Mains		205-699M	205-199M	
84		Exh. pipe packing not incl.; Deep oil ring groove set; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring		205-699	205-199	
OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.		
YEARS		DESCRIPTION					
86		Eng. I.D. Code "T"; Exh. pipe packing not incl.; Shallow oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains		505-727C	505-227C	
86		Eng. I.D. Code "T"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Incl. 3/4 grooved main brgs.; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Pistons		MK-727K	MK-227K	
86		Eng. I.D. Code "T"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 3/4 grooved main brgs.; Incl. chain 11 links wide	Master		MKP-727K	MKP-227K	

(continued on next page)

Jeep

7 2.8L 173 (2835cc) OHV V6 (Chevrolet), 89mm Bore (GMC Eng.) 1986-84
 (cont.) **L/D Truck** VIN Code "W" 1984-86, Eng. I.D. Codes "T" 1985-86, "U" 1985-86 (Eng. I.D. Code is located at front of block & the code is the third character from the right)

K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO. MKP-728C	ECONOMY KIT NO. MKP-228C	K I T S
	YEARS	DESCRIPTION				
	86	Eng. I.D. Code "U"; Exh. pipe packing not incl.; Shallow oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 3/4 grooved main brgs.; Incl. chain 11 links wide	Master			
	86	Eng. I.D. Code "U"; Exh. pipe packing not incl.; Shallow oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-728C	505-228C	
	86	Eng. I.D. Code "U"; Exh. pipe packing not incl.; Shallow oil ring groove set; Freeze plugs not incl.; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. 3/4 grooved main brgs.; Incl. chain 11 links wide	Master	MKP-728H	MKP-228H	
	84	Exh. pipe packing not incl.; Deep oil ring groove set; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; Incl. chain 11 links wide	Master w/o Rods & Mains	505-699A	505-199A	
K I T S	84	Exh. pipe packing not incl.; Deep oil ring groove set; Incl. A-Series aluminum bearings ; Premium valve stem seals incl.; Incl. 5/8" inlet oil pump; w/2.4937/2.4946" std. shaft size; Incl. chain 11 links wide	Master Master w/o Pistons	MKP-699D MK-699D	MKP-199D MK-199D	

8 3.7L 225 OHV V6 (Buick), 3.75" Bore (GMC Eng.) 1971-66 L/D Truck

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	3 Piece Set	71-66	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334	
	1	Timing Chain	71-66	222-359	54 Links	
	1	Crank Sprocket	71-66	223-323	20 Teeth	
	1	Cam Sprocket	71-66	223-334	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	71-66	CS-657		
	12	Lifter	71-66	HT-896 Std Only	Hyd.	
	12	Lifter, Bulk	71-66	HT-896B Std Only	Hyd.; Carton of 126	
	1	Prelube	71-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod	71-66	RP-3173	8.7230" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm	71-66	R-1051		
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	6	Exhaust	71-66	V-1744 Std Only	1.3750" Head Dia., .3401" Stem Dia., 4.5430" O.A.L.	
	6	Intake	71-66	V-1745 Std Only	1.6250" Head Dia., .3410" Stem Dia., 4.5430" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	71-66	VG-5002	.3420" ID, 3.0600" O.A.L.	
	6	Guide	71-66	VG-5051T	Int.; Threaded; .3440" ID, 2.5000" O.A.L.	
	12	Guide, Bulk	71-66	VG-5002B	Carton of 50; .3420" ID, 3.0600" O.A.L.	
	12	Guide, Bulk	71-66	VG-5002TB	Threaded; Carton of 50; .3430" ID, 3.0630" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	71-66	VS-644	2.0300" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal	71-66	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	12	Valve Stem Seal Bulk	71-66	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	71-66	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth	
V A L V E T R A I N	6	Exh.	71-66	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth	V A L V E T R A I N
	6	Int.	71-66	245-1750-1N Std Only	Premium Material; 1.7555" OD, 1.5000" ID, .2480" Depth	
	6	Int.	71-66	245-1750-1 Std Only	1.7555" OD, 1.5000" ID, .2480" Depth	
V A L V E T R A I N	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	24	Keeper	71-66	VK-194		
V A L V E T R A I N	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	6	Cast Piston	71-66	1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.	
V A L V E T R A I N	6	Cast Piston - Individual	71-66	W1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.	V A L V E T R A I N

(continued on next page)

3.7L 225 OHV V6 (Buick), 3.75" Bore (GMC Eng.) 1971-66 8
L/D Truck (cont.)

BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	71-66	E-222K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	71-66	E-222X Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set	71-66	WE-222K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set	71-66	WE-222X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	71-66	SL-19M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	71-66	7144MA Std-1-10-20-30-40	A-Series aluminum bearings
	1	Main Set	71-66	7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.
BLOCK	1	Rod Set	71-66	6-2500RAA Std-10-20-30-40	A-Series aluminum bearings
	6	Rod Pair	71-66	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	71-66	1205M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	71-66	224-51382	Gear type High Volume; Installation may require timing cover removal Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
	1	Pump Repair Kit	71-66	224-518	
	1	Pump Repair Kit	71-66	224-518V	
	1	Pump Repair Kit	71-66	224-518TP	

3.7L 226 OHV L6 (12 Valve), 3.3125" Bore (Continental Eng.) 1965-47 9
L/D Truck

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	65-60	222-489	46 Links
	1	Timing Chain	59	222-489	From Eng. No. SW-6L14188 & TW-6L90919; 46 Links
	1	Crank Sprocket	58	223-234A	To Eng. No. SW-6L14188 & TW-6L90919; 18 Teeth
	1	Crank Sprocket	57-54	223-234A	18 Teeth
	1	Cam Sprocket	58	223-233	To Eng. No. SW-6L14188 & TW-6L90919; 36 Teeth
	1	Cam Sprocket	57-54	223-233	36 Teeth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	62-48	V-959 Std Only	1.3230" Head Dia., .3382" Stem Dia., 5.1100" O.A.L.
	6	Exhaust	47	V-954 Std Only	Drilled stem; 1.3280" Head Dia., .3386" Stem Dia., 5.1950" O.A.L.
VALVE TRAIN	6	Exhaust	47	V-959 Std Only	1.3230" Head Dia., .3382" Stem Dia., 5.1100" O.A.L.
	6	Intake	62-48	V-1203 Std Only	1.5200" Head Dia., .3405" Stem Dia., 5.1820" O.A.L.
	6	Intake	47	V-801 Std Only	1.5200" Head Dia., .3411" Stem Dia., 5.1760" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	62-47	VG-336	.3427" ID, 2.5600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	62-48	VS-310	Exh. & Int.; 1.9690" Free Height
	6	Spring	47	VS-310	Exh. & Int.; w/o Rotators; 1.9690" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	62-47	245-1437-3N Std Only	Premium Material; 1.4425" OD, 1.1880" ID, .2160" Depth
BLOCK	6	Exh.	62-47	245-1437-3 Std Only	1.4425" OD, 1.1880" ID, .2160" Depth
	6	Int.	62-47	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
	6	Int.	62-47	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	62-48	VK-115	Exh. & Int.; 1 groove; Square cut key groove
	24	Keeper	62-48	VK-115R	Exh. & Int.; 1 groove; Square cut key groove; Hardened
	12	Keeper	47	VK-27	Exh.; w/o Rotocaps
	12	Keeper	47	VK-115	Exh.; w/Rotocaps; 1 groove; Square cut key groove
	12	Keeper	47	VK-115R	Exh.; w/Rotocaps; 1 groove; Square cut key groove; Hardened
	12	Keeper	47	VK-27	Int.
BLOCK	24	Keeper, Bulk	62-48	VK-115B	Exh. & Int.; 1 groove; Square cut key groove; Carton of 1000
	12	Keeper, Bulk	47	VK-115B	Exh.; w/Rotocaps; 1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	65-54	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	65-54	8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing	65-54	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	65-54	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	65-54	5141X30 30	2-3/32, 2-5/32

(continued on next page)

Jeep

9 3.7L 226 OHV L6 (12 Valve), 3.3125" Bore (Continental Eng.) 1965-47 (cont.) L/D Truck					
BLOCK	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	6	Repair Sleeve	62-47	SL-12M Std Only	3/32" wall, must be cut to correct length
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	3	Rod Pair	65-54	1995CPA Std-10-20-30-40-50	Position 1-3-5; Use on all 6 positions if rod Forging No. ends in 402
	3	Rod Pair	65-54	1995CP Std-10-20-30-40	Position 2-4-6
	1	Cam Set	65-54	1088M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	62-54	224-41171	
10 3.7L 226 L-HEAD L6 (12 Valve), 3.3125" Bore (Continental Eng.) 1963-54 L/D Truck VIN Code "T" 1954-66					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	62-60	222-489	46 Links
	1	Timing Chain	59	222-489	From Eng. No. SW-6L14188 & TW-6L90919; 46 Links
	1	Crank Sprocket	58	223-234A	To Eng. No. SW-6L14188 & TW-6L90919; 18 Teeth
	1	Crank Sprocket	57-54	223-234A	18 Teeth
	1	Cam Sprocket	58	223-233	To Eng. No. SW-6L14188 & TW-6L90919; 36 Teeth
	1	Cam Sprocket	57-54	223-233	36 Teeth
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	63-54	8649XAS	Full round, thin wall .0055" O/S OD bushing
	6	Pin Bushing	63-54	8649XA	Full round, thin wall bushing w/.9150" OD
	6	Pin Bushing	63-54	8649V	Split type, thin wall bushing w/.9135" OD
	6	Pin Bushing	63-54	8649V20	Split type, thin wall bushing w/.9135" OD & .020" extra bore stock
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	3	Rod Pair	63-54	1995CPA Std-10-20-30-40-50	Position 1-3-5
	3	Rod Pair	63-54	1995CP Std-10-20-30-40	Position 2-4-6
	1	Cam Set	63-54	1088M Std Only	
11 3.8L 230 SOHC L6 (Tornado), 3.3438" Bore (Continental Eng.) 1965-62 L/D Truck					
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	65-63	VG-612	.3425" ID, 2.1870" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	65-63	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	65-63	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	65-63	245-1750-4 Std Only	1.7555" OD, 1.4375" ID, .2480" Depth
	6	Int.	65-63	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	65-63	VK-115	1 groove; Square cut key groove
	24	Keeper	65-63	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	65-63	VK-115B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	65-63	259-200B	.030"; Carton of 100
	12	Spring Insert	65-63	259-200A	.060"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Pin Bushing	65-63	8649XA	Full round, thin wall bushing w/.9150" OD
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	65-62	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.
12 3.8L 232 OHV L6 (Hi Torque), 3.75" Bore (AMC Eng.) 1979-65 L/D Truck VIN Code "E" 1967-79					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	79-66	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388
	1	Timing Chain	79-66	222-494	48 Links
	1	Crank Sprocket	79-66	223-355	18 Teeth
	1	Cam Sprocket	79-66	223-388	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	79-76	CS-652	VIN Code "E"
	1	Camshaft	75-66	CS-652	
	12	Lifter	79-66	HT-2011 Std Only	Hyd.
	12	Lifter, Bulk	79-66	HT-2011B Std Only	Hyd.; Carton of 117
	1	Prelube	79-66	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

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3.8L 232 OHV L6 (Hi Torque), 3.75" Bore (AMC Eng.) 1979-65 12

L/D Truck VIN Code "E" 1967-79 (cont.)

VALVE TRAIN	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	79-76	KC-652	VIN Code "E"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
	1	Cam/Lifter Kit	75-66	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-76	KCT-652	VIN Code "E"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	75-66	KCT-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	78-75	RP-3171	9.5940" O.A.L.
	12	Push Rod	74	RP-3163	w/Cast iron rocker arms; 9.6560" O.A.L.
	12	Push Rod	74	RP-3171	w/Stamped steel rocker arms; 9.5940" O.A.L.
	12	Push Rod	73-72	RP-3163	9.6560" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm Assy.	79-75	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
	6	Arm Assy.	74	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
	6	Arm Assy., Bulk	79-75	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
	6	Arm Assy., Bulk	74	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
	12	Arm	74	R-864	Cast iron
	12	Arm	73-66	R-864	Cast iron
	6	Bridge	79-72	MR-1840	
	12	Pivot	79-74	MR-1909	w/o rocker arm shaft; Incl. 2-pivots & 1-bridge
	12	Pivot	79-72	MR-1839	Pivot only
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	79-74	V-2023 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Exhaust	73-66	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Intake	79-72	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	71-68	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	67-66	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	79-66	VG-5062	.3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	79-78	VS-743	1.9900" Free Height
	12	Spring	77	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	77	VS-743	w/Rotators; 1.9900" Free Height
	12	Spring	76-74	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	73-66	VS-666	w/damper; 2.2600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	79-66	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	79-66	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	79-66	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	79-66	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	79-66	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	6	Int.	79-66	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	79-77	VK-115	1 groove; Square cut key groove
	24	Keeper	79-77	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper	79-66	VK-174	4 groove
	24	Keeper	79-66	VK-174R	4 groove; Hardened
	24	Keeper	71-66	VK-138	1 groove; Square cut key groove
	24	Keeper	71-66	VK-138R	1 groove; Square cut key groove; Hardened
	24	Keeper, Bulk	79-77	VK-115B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	71-66	VK-138B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	79-66	259-203C	.015"; Carton of 100
	12	Spring Insert	79-66	259-203B	.030"; Carton of 100
	12	Spring Insert	79-66	259-203BRS	.030"; Carton of 500
	12	Spring Insert	79-66	259-203A	.060"; Carton of 100
	12	Spring Insert	79-66	259-203ARS	.060"; Carton of 500

(continued on next page)

Jeep

12 3.8L 232 OHV L6 (Hi Torque), 3.75" Bore (AMC Eng.) 1979-65 (cont.) L/D Truck VIN Code "E" 1967-79

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	79-78	456NP Std-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston	79-78	456P Std-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston	77	456NP Std-30-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston	77	456P Std-30-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston	77	409P Std-20-30-40-60	Exc. Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston	76-68	409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston	67-66	409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston - Individual	79-78	W456NP * Std Only	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston - Individual	79-78	W456P Std-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston - Individual	77	W456NP * Std Only	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston - Individual	77	W456P Std-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston - Individual	77	W409P Std-20-30-40-60	Exc. Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston - Individual	76-68	W409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston - Individual	67-66	W409P Std-20-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	79-66	E-222K Std-20-30-40-60	2-5/64, 1-3/16	
1	Standard Set	79-66	E-222X Std-20-30-40-60	2-5/64, 1-3/16	
6	Premium Single Cylinder Set	79-66	WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
6	Standard Single Cylinder Set	79-66	WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve	79-66	SL-19M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	78-66	4289M Std-10-20-30-40-60		
1	Rod Set	78-66	6-3310CPA Std-1-10-20-30-40-50-60		
6	Rod Pair	78-66	3310CPA Std-1-2-10-20-30-40-50-60		
1	Cam Set	78-66	1244M Std-10		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	79	224-41199	Replaces pump w/o cover having tab & slotted hole	
1	Oil Pump	78-66	224-43428	Incl. pump & screen	
1	Oil Pump	78-66	224-41199	Replaces pump w/o cover having tab & slotted hole	
1	Screen Assy.	78-75	224-15056	Use w/oil pump having cover w/tab & slotted hole	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	79-65	260-1007	Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	79-65	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	
RE-RING KIT					
YEARS	DESCRIPTION				
78-66	Premium valve stem seals incl.		Re-ring	PREMIUM KIT NO. 205-610 ECONOMY KIT NO. 205-110	
			Re-ring w/Mains	205-610M 205-110M	

4.0L 242 OHV L6 (Jeep), 3.875" Bore (AMC Eng.) 1990-87 **13**

L/D Truck VIN Codes "L" 1989-90, "M" 1987-88, "S" 1991-2006, "V" 1997-2005

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-87	KT3-4SR48	Incl. (1) 222-4SR48, (1) 223-688, (1) 223-689
1	Timing Chain	90-87	222-4SR48	Single rlr.; 48 Links
1	Timing Chain Guide	90-87	222-337GP	
1	Crank Sprocket	90-87	223-689	18 Teeth
1	Cam Sprocket	90-87	223-688	38 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-87	CS-809	
12	Lifter	90-87	HT-2011 Std Only	Hyd.
12	Lifter, Bulk	90-87	HT-2011B Std Only	Hyd.; Carton of 117
1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-87	KC-809	Hyd.; Incl. (1) CS-809, (12) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-87	KCT-809	Hyd.; Incl. (1) CS-809, (12) HT-2011, (1) KT3-4SR48, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	90-87	RP-3275	9.6410" O.A.L.
12	Push Rod, Bulk	90-87	BRP-3275	Carton of 100; 9.6410" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	90-87	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
6	Arm Assy., Bulk	90-87	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
12	Arm	90-87	R-905A	Stamped rocker arm
6	Bridge	90-87	MR-1840	
12	Pivot	90-87	MR-1839	Pivot only
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	90-87	V-2526 Std-15	Chrome plated stem; w/radius key groove; 1.5000" Head Dia., .3108" Stem Dia., 4.9390" O.A.L.
6	Exhaust, Bulk	90-87	V-2526B15 15	Chrome plated stem; w/radius key groove; Carton of 25; 1.5000" Head Dia., .3258" Stem Dia., 4.9390" O.A.L.
6	Intake	90-87	V-2527 Std-15	w/radius key groove; 1.9100" Head Dia., .3115" Stem Dia., 4.9110" O.A.L.
6	Intake, Bulk	90-87	V-2527B15 15	w/radius key groove; Carton of 25; 1.9100" Head Dia., .3265" Stem Dia., 4.9110" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-87	VS-1456	Conical design; 2.0160" Free Height
12	Spring	90-87	VS-822	Cylindrical shape; 1.8340" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	90-87	ST-2043	Exh.; Positive type; Rubber
6	Valve Stem Seal	90-87	ST-2044	Int.; Positive type; Rubber
6	Valve Stem Seal Bulk	90-87	ST-2043B	Exh.; Positive type; Carton of 1000; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	90-87	245-1562-36 Std Only	1.5670" OD, 1.3125" ID, .1860" Depth
6	Int.	90-87	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	90-87	VK-216	1 groove
24	Keeper, Bulk	90-87	VK-216B	1 groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	90-87	677P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9310" Pin Dia., Recessed Head .116" deep
6	Cast Piston	90-87	677CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9310" Pin Dia., Recessed Head .116" deep; DurOshield® skirt coated piston
6	Cast Piston - Individual	90-87	W677P Std-10-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9310" Pin Dia., Recessed Head .116" deep
6	Cast Piston - Individual	90-87	W677CP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9310" Pin Dia., Recessed Head .116" deep; DurOshield® skirt coated piston
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-87	E-234K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set	90-87	E-234X Std-20-30-40-60	2-5/64, 1-3/16
6	Premium Single Cylinder Set	90-87	WE-234K Std-20-30-40-60	2-5/64, 1-3/16
6	Standard Single Cylinder Set	90-87	WE-234X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-87	4289M Std-10-20-30-40-50-60	
1	Rod Set	90-87	6-3310CPA Std-1-10-20-30-40-50-60	
6	Rod Pair	90-87	3310CPA Std-1-2-10-20-30-40-50-60	

(continued on next page)

Jeep

13 4.0L 242 OHV L6 (Jeep), 3.875" Bore (AMC Eng.) 1990-87

(cont.) L/D Truck VIN Codes "L" 1989-90, "M" 1987-88, "S" 1991-2006, "V" 1997-2005

BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Cam Set	90-87	1244M	Std-10		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	90-87	224-43505	High Volume, check pan for clearance; Incl. screen		
	1	Oil Pump	90-87	224-41198	Replaces pump w/cover having tab & slotted hole		
	1	Pump Repair Kit	90-87	224-51198	Exc. High Volume; Use w/pump having cover w/tab & slotted hole		
	1	Screen Assy.	90-87	224-14270			
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90-87	260-1424	Exh. pipe packing not incl.; Premium valve stem seals incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	90-87	381-8084			
	1	Steel Block Plug Kit	90-87	381-9674			
KITS	RE-RING KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.	
	90-87	Exh. pipe packing not incl.; Premium valve stem seals incl.	Re-ring		205-6092	205-1092	
			Re-ring w/Mains		205-6092M	205-1092M	
	OVERHAUL KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.	
	90-87	Exh. pipe packing not incl.; Freeze plugs not incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master		MKP-6092A	MKP-1092A	
			Master w/o Pistons		MK-6092A	MK-1092A	
			Master w/o Rods & Mains		505-6092A	505-1092A	
	90-87	Exh. pipe packing not incl.; Premium valve stem seals incl.	Block		BK-6193	----	
90-87	Exh. pipe packing not incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Block w/Pump & Freeze Plugs		BKP-6193	----		
90-87	Exh. pipe packing not incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole	Master		MKP-7053	MKP-2053		
		Master w/o Pistons		MK-7053	MK-2053		
		Master w/o Rods & Mains		505-7053	505-2053		

14 4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71

L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set	90-87	KT3-504S	Incl. (1) 222-504, (1) 223-355, (1) 223-388	
	1	3 Piece Set	86-71	KT3-494S	Incl. (1) 222-494, (1) 223-355, (1) 223-388	
	1	Timing Chain	90-87	222-504	48 Links	
	1	Timing Chain	86-71	222-494	48 Links	
VALVE TRAIN	1	Crank Sprocket	90-71	223-355	18 Teeth	VALVE TRAIN
	1	Cam Sprocket	90-71	223-388	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-81	CS-713		
	1	Camshaft	80-79	CS-652	VIN Code "A"	
VALVE TRAIN	1	Camshaft	80-79	CS-652	VIN Code "C"; w/M/T	VALVE TRAIN
	1	Camshaft	78-76	CS-652	VIN Code "A"	
	1	Camshaft	75-71	CS-652		
	12	Lifter	90-71	HT-2011	Std Only Hyd.	
	12	Lifter, Bulk	90-71	HT-2011B	Std Only Hyd.; Carton of 117	
VALVE TRAIN	1	Prelube	90-71	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	VALVE TRAIN
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-81	KC-713	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	80-79	KC-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter Kit	80-79	KC-652	VIN Code "C"; w/M/T; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
VALVE TRAIN	1	Cam/Lifter Kit	78-76	KC-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	VALVE TRAIN
	1	Cam/Lifter Kit	75-71	KC-652	Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-87	KCT-713A	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) KT3-504S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	86-81	KCT-713	Hyd.; Incl. (1) CS-713, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	80-79	KCT-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	
VALVE TRAIN	1	Cam/Lifter/Timing Kit	80-79	KCT-652	VIN Code "C"; w/M/T; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	VALVE TRAIN
	1	Cam/Lifter/Timing Kit	78-76	KCT-652	VIN Code "A"; Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B	

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4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71 **14**

L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90 (cont.)

VALVE TRAIN	QTY 1	CAM KIT (cont.) Cam/Lifter/Timing Kit	YEARS 75-71	PART NO. KCT-652	DESCRIPTION Hyd.; Incl. (1) CS-652, (12) HT-2011, (1) KT3-494S, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	90-89	RP-3276	9.7480" O.A.L.
	12	Push Rod	88-83	RP-3235	9.7200" O.A.L.
	12	Push Rod	82-81	RP-3200	9.6210" O.A.L.
	12	Push Rod	80-75	RP-3171	9.5940" O.A.L.
	12	Push Rod	74	RP-3163	w/Cast iron rocker arms; 9.6560" O.A.L.
	12	Push Rod	74	RP-3171	w/Stamped steel rocker arms; 9.5940" O.A.L.
	12	Push Rod	73-72	RP-3163	9.6560" O.A.L.
	12	Push Rod, Bulk	88-83	BRP-3235	Carton of 100; 9.7200" O.A.L.
	12	Push Rod, Bulk	82-81	BRP-3200	Carton of 100; 9.6210" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm Assy.	90-75	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
	6	Arm Assy.	74	R-905	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm
	6	Arm Assy., Bulk	90-75	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
	6	Arm Assy., Bulk	74	R-905B	Incl. 2-arms, 2-pivots & 1-bridge; Stamped rocker arm; Carton of 32
	12	Arm	90-75	R-905A	Stamped rocker arm
	12	Arm	74	R-864	Cast iron
	12	Arm	73-71	R-864	Cast iron
	6	Bridge	90-74	MR-1840	
	6	Pivot	90-74	MR-1909	Incl. 2-pivots & 1-bridge
	12	Pivot	90-74	MR-1839	Pivot only
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-81	V-2205 Std Only	1 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Exhaust	80-73	V-2023 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Exhaust	72-71	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	6	Intake	90-81	V-2206 Std Only	1 groove; Chrome plated stem; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	80-73	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	6	Intake	72-71	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	24	Guide	72-71	VG-5062	.3735" ID, 2.3800" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-78	VS-743	1.9900" Free Height
	12	Spring	77	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	77	VS-743	w/Rotators; 1.9900" Free Height
	12	Spring	76-74	VS-666	w/o Rotators; w/damper; 2.2600" Free Height
	12	Spring	73-71	VS-666	w/damper; 2.2600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-71	ST-2004	Positive type; Installation requires valve guide machining; Rubber/PTFE
	12	Valve Stem Seal Bulk	90-71	ST-2004BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-71	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	6	Exh.	90-71	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	6	Int.	90-71	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
	6	Int.	90-71	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-81	VK-138	1 groove; Square cut key groove
	24	Keeper	90-81	VK-138R	1 groove; Square cut key groove; Hardened
	24	Keeper	80-79	VK-174	4 groove
	24	Keeper	80-79	VK-174R	4 groove; Hardened
	24	Keeper	78-74	VK-115	1 groove; Square cut key groove
	24	Keeper	78-74	VK-115R	1 groove; Square cut key groove; Hardened
	24	Keeper	78-74	VK-174	4 groove
	24	Keeper	78-74	VK-174R	4 groove; Hardened
	24	Keeper	73-71	VK-138	1 groove; Square cut key groove
	24	Keeper	73-71	VK-138R	1 groove; Square cut key groove; Hardened
	24	Keeper	73-71	VK-174	4 groove
	24	Keeper	73-71	VK-174R	4 groove; Hardened

(continued on next page)

Jeep

14 4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71

(cont.) L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	24	Keeper, Bulk	90-81	VK-138B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	78-74	VK-115B	1 groove; Square cut key groove; Carton of 1000
	24	Keeper, Bulk	73-71	VK-138B	1 groove; Square cut key groove; Carton of 1000
	12	Spring Insert	90-71	259-203C	.015"; Carton of 100
	12	Spring Insert	90-71	259-203B	.030"; Carton of 100
	12	Spring Insert	90-71	259-203BRS	.030"; Carton of 500
	12	Spring Insert	90-71	259-203A	.060"; Carton of 100
	12	Spring Insert	90-71	259-203ARS	.060"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90	470NP Std-20-30-40-60	VIN Code "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	90	470AP Std-20-30-40-60	VIN Code "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	89	470NP Std-20-30-40-60	VIN Codes "M" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	89	470AP Std-20-30-40-60	VIN Codes "M" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	88	470NP Std-20-30-40-60	VIN Codes "C" & "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	88	470AP Std-20-30-40-60	VIN Codes "C" & "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	87-79	470NP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston	87-79	470AP Std-20-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston	79-78	456NP Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston	79-78	456P Std-30-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston	77	456NP Std-30-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep
	6	Cast Piston	77	456P Std-30-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep
	6	Cast Piston	77	409P Std-20-30-40-60	Exc. Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston	76-71	409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.
	6	Cast Piston - Individual	90	W470NP Std-30-40-60	VIN Code "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston - Individual	90	W470AP * Std-30-40-60	VIN Code "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston - Individual	89	W470NP Std-30-40-60	VIN Codes "M" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston - Individual	89	W470AP * Std-30-40-60	VIN Codes "M" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston - Individual	88	W470NP Std-30-40-60	VIN Codes "C" & "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.
	6	Cast Piston - Individual	88	W470AP * Std-30-40-60	VIN Codes "C" & "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep
	6	Cast Piston - Individual	87-79	W470NP Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.

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4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71 **14**

L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90 (cont.)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	6	Cast Piston - Individual	87-79	W470AP * Std-30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9313" Pin Dia., "D" Shaped Recessed Head .178" deep	
	6	Cast Piston - Individual	79-78	W456NP * Std Only	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
	6	Cast Piston - Individual	79-78	W456P Std-40-60	8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
	6	Cast Piston - Individual	77	W456NP * Std Only	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.580" CD, .9313" Pin Dia., "D" Shaped Recessed Head .126" deep	
	6	Cast Piston - Individual	77	W456P Std-40-60	Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.3:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .126" deep	
	6	Cast Piston - Individual	77	W409P Std-20-30-40-60	Exc. Engs. w/water temp. sending unit located at top left corner at rear of cyl. head; 8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
	6	Cast Piston - Individual	76-71	W409P Std-20-30-40-60	8.0:1 C.R.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .108" deep x 3.125" dia.	
	1	Cast Piston Set w/Prem. Rings	90	6K470NP30 30-40-60	VIN Code "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	89	6K470NP30 30-40-60	VIN Codes "M" & "T"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
BLOCK	1	Cast Piston Set w/Prem. Rings	88	6K470NP30 30-40-60	VIN Codes "C" & "M"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	87-79	6K470NP30 30-40-60	VIN Code "C"; Cast; 2-5/64", 1-3/16" Ring Groove, 1.633" CD, .9310" Pin Dia., Recessed Head .178" deep - 8.2:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-71	E-222K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	90-71	E-222X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set	90-71	WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set	90-71	WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
	1	Repair Sleeve	90-71	SL-19M Std Only	3/32" wall, must be cut to correct length	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
BLOCK	1	Main Set	90-71	4289M Std-10-20-30-40-60		
	1	Rod Set	90-71	6-3310CPA Std-1-10-20-30-40-50-60		
	6	Rod Pair	90-71	3310CPA Std-1-2-10-20-30-40-50-60		
	1	Cam Set	90-71	1244M Std-10		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-81	224-43396S	Incl. screen	
	1	Oil Pump	90-81	224-41198	Replaces pump w/cover having tab & slotted hole	
	1	Oil Pump	82-75	224-43428	Incl. pump & screen	
	1	Oil Pump	82-71	224-41199	DJ "Postal"; Replaces pump w/o cover having tab & slotted hole	
	1	Oil Pump	74-73	224-43428	DJ-5; Exc. Postal Vehicles; Incl. pump & screen	
BLOCK	1	Oil Pump	74-73	224-43428	Exc. DJ-5; Incl. pump & screen	
	1	Oil Pump	72-71	224-43428	Incl. pump & screen	
	1	Pump Repair Kit	90-81	224-51198	Use w/pump having cover w/tab & slotted hole	
	1	Screen Assy.	90-72	224-15056	Exc. DJ "Postal"; Use w/oil pump having cover w/tab & slotted hole	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-86	260-1193	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	85-81	260-1134	Premium valve stem seals incl.	
	1	Kit Gasket Set	80-71	260-1007	Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-71	381-8000	Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Engs.	
BLOCK	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
BLOCK	90-86	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.		Re-ring	205-860	205-360
				Re-ring w/Mains	205-860M	205-360M

(continued on next page)

14 4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71 (cont.) L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90

	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
K I T S	85-81	Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-716 205-716M	205-216 205-216M
	80-71	Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-610 205-610M	205-110 205-110M
	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.	Block	BK-6197	----
	90	Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Block w/Pump & Freeze Plugs	BKP-6197	----
	90	VIN Code "T"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master	MKP-860C	MKP-360C
	90-87	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master w/o Pistons	MK-860C	MK-360C
	89	VIN Codes "M" & "T"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.	Block	BK-6197	----
	89	VIN Codes "M" & "T"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Block w/Pump & Freeze Plugs	BKP-6197	----
	89	VIN Codes "M" & "T"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master	MKP-860C	MKP-360C
	88	VIN Codes "C" & "M"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.	Block	BK-6197	----
	88	VIN Codes "C" & "M"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Block w/Pump & Freeze Plugs	BKP-6197	----
	88	VIN Codes "C" & "M"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master	MKP-860C	MKP-360C
	87	VIN Code "C"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master	MKP-860C	MKP-360C
	87-86	VIN Code "C"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.	Block	BK-6197	----
	87-86	VIN Code "C"; Gskts. for Alum. & Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Block w/Pump & Freeze Plugs	BKP-6197	----
	86	Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master w/o Pistons	MK-860A	MK-360A
	86	VIN Code "C"; Gskts. for Alum. valve covers incl.; Gskts. for Plastic valve covers incl.; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng.	Master Master w/o Rods & Mains	MKP-860A 505-860A	MKP-360A 505-360A

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4.2L 258 OHV L6, 3.75" Bore (AMC Eng.) 1990-71 14					
L/D Truck VIN Codes "A" 1971-79, "C" 1977-88, "M" 1988-89, "T" 1989-90 (cont.)					
K I T S	OVERHAUL KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	85-81	Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng's.	Master w/o Pistons	MK-716A	MK-216A
	85-81	VIN Code "C"; Premium valve stem seals incl.; Oil pump replaces pump w/cover having tab & slotted hole; Incl. 6, 2" OD brass cup plugs for 4, 5, & 6 plug Eng's.	Master Master w/o Rods & Mains	MKP-716A 505-716A	MKP-216A 505-216A
5.0L 304 OHV V8, 3.75" Bore (AMC Eng.) 1981-71 15					
L/D Truck VIN Code "H" 1971-81					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	81-79	KT3-369S	1/2" wide timing sprocket teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) 222-369, (1) 223-512, (1) 223-515
	1	3 Piece Set	79-71	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
	1	Timing Chain	81-79	222-369	1/2" wide; 62 Links
	1	Timing Chain	79-71	222-349	5/8" wide; 62 Links
	1	Crank Sprocket	81-79	223-515	Use w/1/2" wide chain; 23 Teeth
	1	Crank Sprocket	79-71	223-281	Use w/5/8" wide chain; 23 Teeth
	1	Cam Sprocket	81-79	223-512	Use w/1/2" wide chain; 46 Teeth
	1	Cam Sprocket	79-71	223-412	Use w/5/8" wide chain; 46 Teeth
V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	81-79	CS-828 +	When depleted use CS-646
	1	Camshaft	81-71	CS-646	
	16	Lifter	81-71	HT-2011 Std Only	Hyd.
	16	Lifter, Bulk	81-71	HT-2011B Std Only	Hyd.; Carton of 117
	1	Prelube	81-71	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	81-79	KC-828 +	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B; When depleted use KC-646
	1	Cam/Lifter Kit	81-71	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B
	1	Cam/Lifter/Timing Kit	81-79	KCT-646A	Hyd.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) CS-646, (16) HT-2011, (1) KT3-369S, (1) 55-403B
	1	Cam/Lifter/Timing Kit	79-71	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B
V A L V E T R A I N	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	81-71	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod	81-71	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod	81-71	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod	81-71	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	81-71	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	81-71	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	81-71	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk	81-71	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	81-73	R-875	Incl. 2-arms, 2-pivots & 1-bridge
	16	Arm Assy.	72-71	R-853	Incl. arm, ball & nut
	8	Arm Assy., Bulk	81-73	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32
	16	Arm	81-73	R-875A	
	16	Arm	72-71	R-853A	
	16	Bridge	81-73	MR-1840	
	16	Pivot	81-73	MR-1909	Incl. 2-pivots & 1-bridge
	16	Pivot	81-73	MR-1839	Pivot only
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	81	V-2205 Std Only	1 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	8	Exhaust	80-73	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	8	Exhaust	72-71	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
	8	Intake	81	V-2206 Std Only	1 groove; Chrome plated stem; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	8	Intake	80-73	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	8	Intake	72-71	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.

(continued on next page)

Jeep

15 5.0L 304 OHV V8, 3.75" Bore (AMC Eng.) 1981-71

(cont.) L/D Truck VIN Code "H" 1971-81

VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN	
	16	Guide	81-71	VG-5062	.3735" ID, 2.3800" O.A.L.		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	16	Spring	81-78	VS-743	1.9900" Free Height		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
	16	Valve Stem Seal	81-71	ST-2002	Installation requires valve guide machining; Polyacrylate		
	16	Valve Stem Seal	72-71	MV-1771C	Umbrella type; Polyacrylate		
	16	Valve Stem Seal Bulk	81-71	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate		
	16	Valve Stem Seal Bulk	72-71	MV-1771	Umbrella type; Carton of 100; Polyacrylate		
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
8	Exh.	81-71	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth			
8	Exh.	81-71	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth			
8	Int.	81-71	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth			
8	Int.	81-71	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
32	Keeper	81	VK-138	1 groove; Square cut key groove			
32	Keeper	81	VK-138R	1 groove; Square cut key groove; Hardened			
32	Keeper	80-71	VK-174	4 groove			
32	Keeper	80-71	VK-174R	4 groove; Hardened			
32	Keeper, Bulk	81	VK-138B	1 groove; Square cut key groove; Carton of 1000			
16	Spring Insert	81-71	259-203C	.015"; Carton of 100			
16	Spring Insert	81-71	259-203B	.030"; Carton of 100			
16	Spring Insert	81-71	259-203BRS	.030"; Carton of 500			
16	Spring Insert	81-71	259-203A	.060"; Carton of 100			
16	Spring Insert	81-71	259-203ARS	.060"; Carton of 500			
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK	
	8	Cast Piston	81-71	1079P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .130" deep x 3.320" dia. - 8.4:1 C.R.		
	8	Cast Piston - Individual	81-71	W1079P Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .130" deep x 3.320" dia. - 8.4:1 C.R.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	81-71	E-240K Std-20-30-40-60	2-5/64, 1-3/16		
	1	Standard Set	81-71	E-240X Std-30-40-60	2-5/64, 1-3/16		
	8	Premium Single Cylinder Set	81-71	WE-240K Std-20-30-40-60	2-5/64, 1-3/16		
	8	Standard Single Cylinder Set	81-71	WE-240X Std-30-40-60	2-5/64, 1-3/16		
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION		
	1	Repair Sleeve	81-71	SL-19M Std Only	3/32" wall, must be cut to correct length		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
1	Main Set	81-71	5037M Std-1-10-20-30				
1	Rod Set	81-71	8-3310CPA Std-1-10-20-30-40				
8	Rod Pair	81-71	3310CPA Std-1-2-10-20-30-40-50-60				
1	Cam Set	81-71	1401M Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Pump Repair Kit	81-71	224-51285				
1	Screen Assy.	81-71	224-14161				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	81-71	260-1010	Int. manifold gskt. not incl.; Premium valve stem seals incl.			
1	Valley Pan Gasket Set	81-71	260-4008				
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	81-71	381-8001				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	81-71	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring		205-617	205-117	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION					
81-79	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives	Master Master w/o Pistons		MKP-617A MK-617A	MKP-117A MK-117A		
81-79	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives	Master Master w/o Pistons		MKP-617C MK-617C	MKP-117C MK-117C		

5.3L 327 OHV V8 (Vigilante), 4" Bore (AMC Eng.) 1968-65 16
L/D Truck VIN Code "E" 1965-70

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	68-65	222-349	5/8" wide; 62 Links
	1	Crank Sprocket	68-65	223-281	Use w/5/8" wide chain; 23 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	68-66	HT-2011 Std Only	Hyd.
	16	Lifter, Bulk	68-66	HT-2011B Std Only	Hyd.; Carton of 117
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	68-65	RP-3083	8.6870" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	68-65	V-2023 Std Only	4 groove; Chrome plated stem; 1.4060" Head Dia., .3720" Stem Dia., 4.8920" O.A.L.
B L O C K	8	Intake	68-65	V-1981 Std Only	4 groove; 1.7870" Head Dia., .3720" Stem Dia., 4.8990" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	68-65	VS-666	w/damper; 2.2600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	68-65	ST-2011	Positive type; Rubber/PTFE
	16	Valve Stem Seal Bulk	68-65	ST-2011BC	Positive type; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	68-65	245-1500-1N Std Only	Premium Material; 1.5045" OD, 1.2500" ID, .2160" Depth
	8	Exh.	68-65	245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth
	8	Int.	68-65	245-1875-1N Std Only	Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth
B L O C K	8	Int.	68-65	245-1875-1 Std Only	1.8810" OD, 1.6100" ID, .2485" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	68-65	VK-174	4 groove
	32	Keeper	68-65	VK-174R	4 groove; Hardened
	16	Spring Insert	68-65	259-203C	.015"; Carton of 100
	16	Spring Insert	68-65	259-203B	.030"; Carton of 100
	16	Spring Insert	68-65	259-203BRS	.030"; Carton of 500
	16	Spring Insert	68-65	259-203A	.060"; Carton of 100
	16	Spring Insert	68-65	259-203ARS	.060"; Carton of 500
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	1	Premium Set	68-65	E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set	68-65	E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set	68-65	E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	68-65	WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	68-65	WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	68-65	WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION
	8	Repair Sleeve	68-65	SL-22Y Std Only	1/8" wall, must be cut to correct length; O.A.L. 10.250"
	8	Repair Sleeve	68-65	SL-22M Std Only	3/32" wall, must be cut to correct length; O.A.L. 10.250"
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Main Set	68-65	4010M Std-10-20	
	8	Rod Pair	68-65	2230CP Std-10-20	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	68-67	224-51285	
	1	Screen Assy.	68-65	224-14161	

5.7L 350 OHV V8 (Buick), 3.8" Bore (GMC Eng.) 1971-68 17
L/D Truck VIN Codes "K" 1971, "9" 1969-71

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set	71-68	KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334
	1	Timing Chain	71-68	222-359	54 Links
	1	Crank Sprocket	71-68	223-323	20 Teeth
	1	Cam Sprocket	71-68	223-334	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	71-69	HT-969 Std Only	Use w/hollow push rods; Hyd.; w/.440" wide oil groove
	16	Lifter	69-68	HT-896 Std Only	Use w/solid push rods; Hyd.
	16	Lifter, Bulk	71-69	HT-969B Std Only	Use w/hollow push rods; Hyd.; Carton of 128
	16	Lifter, Bulk	69-68	HT-896B Std Only	Use w/solid push rods; Hyd.; Carton of 126
B L O C K	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	71-70	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	16	Push Rod	71-70	RP-3180	9.6800" O.A.L.
	16	Push Rod, Bulk	71-70	BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Retainer	71-70	MR-1829	

(continued on next page)

Jeep

17 5.7L 350 OHV V8 (Buick), 3.8" Bore (GMC Eng.) 1971-68

(cont.) L/D Truck VIN Codes "K" 1971, "9" 1969-71

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	71-68	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	71-68	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	71-68	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	71-68	245-1625-1N Std Only	Premium Material; 1.6300" OD, 1.3750" ID, .2160" Depth
8	Exh.	71-68	245-1625-1 Std Only	1.6300" OD, 1.3750" ID, .2160" Depth
8	Int.	71-68	245-2000-1 Std Only	2.0055" OD, 1.7500" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	71-68	VK-97	.030"; Carton of 100
16	Spring Insert	71-68	259-201B	.060"; Carton of 100
16	Spring Insert	71-68	259-201A	.060"; Carton of 100
16	Spring Insert	71-68	259-201ARS	.060"; Carton of 500
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston	71-68	657P30 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.800" CD, .9397" Pin Dia., Recessed Head .245" deep x 3.050" dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	71-68	E-288K Std-20-30-40-60	2-5/64, 1-3/16
1	Premium Set	71-68	E-288KC20 20-40	2-5/64, 1-3/16
1	Standard Set	71-68	E-288X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set	71-68	WE-288K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set	71-68	WE-288X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	71-68	4418M Std-10-20-30	
1	Rod Set	71-68	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings
8	Rod Pair	71-68	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set	71-68	1422M Std Only	w/oil hole
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Pump Repair Kit	71	224-51382	
1	Pump Repair Kit	71-68	224-518	Gear type
1	Pump Repair Kit	71-68	224-518V	High Volume; Installation may require timing cover removal
1	Pump Repair Kit	71-68	224-518TP	Thrust plate kit; Provides new wear surface for scored or worn housing cover; Contains necessary screws, gskts. and instructions
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	71-68	260-1012	Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	71-68	260-4012	
RE-RING KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
71-68	Int. manifold gskt. not incl.; Incl. A-Series aluminum bearings; Premium valve stem seals incl.	Re-ring	205-634	205-134
		Re-ring w/Mains	205-634M	205-134M

18 5.9L 360 OHV V8, 4.08" Bore (AMC Eng.) 1990-70

L/D Truck VIN Codes "N" 1970-88, "P" 1973-78, "7" 1989-93

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	90-71	KT3-369S	1/2" wide timing sprocket teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) 222-369, (1) 223-512, (1) 223-515
1	3 Piece Set	79-71	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
1	Timing Chain	90-79	222-369	1/2" wide; 62 Links
1	Timing Chain	79-71	222-349	5/8" wide; 62 Links
1	Crank Sprocket	90-71	223-515	Use w/1/2" wide chain; 23 Teeth
1	Crank Sprocket	79-71	223-281	Use w/5/8" wide chain; 23 Teeth
1	Cam Sprocket	90-79	223-512	Use w/1/2" wide chain; 46 Teeth
1	Cam Sprocket	79-71	223-412	Use w/5/8" wide chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-70	CS-646	Hyd.
16	Lifter	90-70	HT-2011 Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	90-70	HT-2011B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	90-70	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-70	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-80	KCT-646A	Hyd.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) CS-646, (16) HT-2011, (1) KT3-369S, (1) 55-403B

(continued on next page)

5.9L 360 OHV V8, 4.08" Bore (AMC Eng.) 1990-70 18

L/D Truck VIN Codes "N" 1970-88, "P" 1973-78, "7" 1989-93 (cont.)

QTY	CAM KIT (cont.)	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter/Timing Kit	79-71	KCT-646A	Hyd.; Incl. timing set w/1/2" wide teeth; Can be used as complete set to replace earlier 5/8" wide timing drives; Incl. (1) CS-646, (16) HT-2011, (1) KT3-369S, (1) 55-403B
1	Cam/Lifter/Timing Kit	79-71	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	90-70	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	90-70	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	90-70	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod	90-70	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod	90-70	RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk	90-70	BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk	90-70	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk	90-70	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
8	Arm Assy.	90-74	R-875	Incl. 2-arms, 2-pivots & 1-bridge
16	Arm Assy.	73-71	R-853	Incl. arm, ball & nut
8	Arm Assy., Bulk	90-74	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32
16	Arm	90-74	R-875A	
16	Arm	73-71	R-853A	
16	Bridge	90-71	MR-1840	
8	Pivot	90-74	MR-1909	Incl. 2-pivots & 1-bridge
16	Pivot	90-74	MR-1839	Pivot only
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90-75	V-2024 Std Only	4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
8	Exhaust	74-73	V-2024 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
8	Exhaust	74-73	V-1980 Std Only	w/Rotators; 1 groove; w/Rotocaps; 1.6800" Head Dia., .3710" Stem Dia., 4.9290" O.A.L.
8	Exhaust	72-70	V-1830 Std Only	1 groove; 1.6250" Head Dia., .3710" Stem Dia., 4.9180" O.A.L.
8	Exhaust, Bulk	90-75	V-2024B Std Only	4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
8	Exhaust, Bulk	74-73	V-2024B Std Only	w/o Rotators; 4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
8	Intake	90-73	V-1979 Std Only	4 groove; 2.0260" Head Dia., .3719" Stem Dia., 4.8980" O.A.L.
8	Intake	72-70	V-1831 Std Only	1 groove; 2.0150" Head Dia., .3715" Stem Dia., 4.8990" O.A.L.
8	Intake, Bulk	90-73	V-1979B Std Only	4 groove; Carton of 25; 2.0256" Head Dia., .3719" Stem Dia., 4.8976" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90-70	VG-5062	.3735" ID, 2.3800" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring	90-78	VS-743	Exh. & Int.; 1.9900" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90-70	ST-2002	Installation requires valve guide machining; Polyacrylate
16	Valve Stem Seal Bulk	90-70	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90-70	245-1750-3N Std Only	Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth
8	Exh.	90-70	245-1750-3 Std Only	1.7555" OD, 1.4375" ID, .2160" Depth
8	Int.	90-70	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90-75	VK-174	4 groove
32	Keeper	90-75	VK-174R	4 groove; Hardened
32	Keeper	74-73	VK-115	1 groove; Square cut key groove
32	Keeper	74-73	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper	74-73	VK-174	4 groove
32	Keeper	74-73	VK-174R	4 groove; Hardened
32	Keeper	72-71	VK-138	1 groove; Square cut key groove
32	Keeper	72-71	VK-138R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	74-73	VK-115B	1 groove; Square cut key groove; Carton of 1000
32	Keeper, Bulk	72-71	VK-138B	1 groove; Square cut key groove; Carton of 1000
16	Spring Insert	90-70	259-203C	.015"; Carton of 100
16	Spring Insert	90-70	259-203B	.030"; Carton of 100
16	Spring Insert	90-70	259-203BRS	.030"; Carton of 500
16	Spring Insert	90-70	259-203A	.060"; Carton of 100

(continued on next page)

Jeep

18 5.9L 360 OHV V8, 4.08" Bore (AMC Eng.) 1990-70

(cont.) L/D Truck VIN Codes "N" 1970-88, "P" 1973-78, "7" 1989-93

BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	16	Spring Insert	90-70	259-203ARS	.060"; Carton of 500	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	90-71	362NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston	90-71	362NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs - 9.0:1 C.R.	
	8	Cast Piston - Individual	90-71	W362NCP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs; DurOshield® skirt coated piston	
	8	Cast Piston - Individual	90-71	W362NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.581" CD, .9310" Pin Dia., Recessed Head .190" deep x 3.640" dia. w/4 valve reliefs - 9.0:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90-70	E-301K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	90-70	E-301X Std-20-30-40-60	2-5/64, 1-3/16	
KITS	8	Premium Single Cylinder Set	90-70	WE-301K Std-20-30-40-60	2-5/64, 1-3/16	KITS
	8	Standard Single Cylinder Set	90-70	WE-301X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-70	5037M Std-1-10-20-30		
	1	Rod Set	90-70	8-3310CPA Std-1-10-20-30-40		
	8	Rod Pair	90-70	3310CPA Std-1-2-10-20-30-40-50-60		
	1	Cam Set	90-70	1401M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Pump Repair Kit	90-70	224-51285		
	1	Screen Assy.	90-70	224-14161		
KITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Kit Gasket Set	90-70	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.	
	1	Valley Pan Gasket Set	90-70	260-4008		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-70	381-8001		
	RE-RING KIT					
	YEARS	DESCRIPTION				
	90-70	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Re-ring			
			Re-ring w/Mains			
KITS	OVERHAUL KIT					KITS
	YEARS	DESCRIPTION				
	90-71	Int. manifold gskt. not incl.; Premium valve stem seals incl.	Block			
	90-71	Int. manifold gskt. not incl.; Premium valve stem seals incl.; Incl. 1/2" wide timing sprocket teeth; Can be used as complete set to replace earlier 5/8" wide timing drives	Master			
			Master w/o Pistons			
			Master w/o Rods & Mains			

19 6.6L 401 OHV V8, 4.165" Bore (AMC Eng.) 1978-74

L/D Truck VIN Code "Z" 1974-78

VALVE TRAIN

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set	78-74	KT3-349S	5/8" wide sprocket teeth; Incl. (1) 222-349, (1) 223-281, (1) 223-412
1	Timing Chain	78-74	222-349	5/8" wide; 62 Links
1	Crank Sprocket	78-74	223-281	Use w/5/8" wide chain; 23 Teeth
1	Cam Sprocket	78-74	223-412	Use w/5/8" wide chain; 46 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	78-74	CS-646	Hyd.
16	Lifter	78-74	HT-2011 Std Only	Hyd.; Carton of 117
16	Lifter, Bulk	78-74	HT-2011B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube	78-74	55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	78-74	KC-646	Hyd.; Incl. (1) CS-646, (16) HT-2011, (1) 55-403B
1	Cam/Lifter/Timing Kit	78-74	KCT-646	Hyd.; Incl. timing set w/5/8" wide timing teeth; Incl. (1) CS-646, (16) HT-2011, (1) KT3-349S, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod	78-74	RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod	78-74	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod	78-74	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.

VALVE TRAIN

(continued on next page)

6.6L 401 OHV V8, 4.165" Bore (AMC Eng.) 1978-74 19
L/D Truck VIN Code "Z" 1974-78 (cont.)

VALVE TRAIN	QTY	PUSH ROD (cont.)	YEARS	PART NO.	DESCRIPTION
	16	Push Rod	78-74	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod	78-74	RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk	78-74	BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk	78-74	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
VALVE TRAIN	16	Push Rod, Bulk	78-74	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.	78-74	R-875	Incl. 2-arms, 2-pivots & 1-bridge
	8	Arm Assy., Bulk	78-74	R-875B	Incl. 2-arms, 2-pivots & 1-bridge; Carton of 32
	16	Arm	78-74	R-875A	
VALVE TRAIN	8	Bridge	78-74	MR-1840	
	8	Pivot	78-74	MR-1909	Incl. 2-pivots & 1-bridge
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	78-75	V-2024 Std Only	4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust	74	V-2024 Std Only	w/o Rotators; 4 groove; Chrome plated stem; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
VALVE TRAIN	8	Exhaust	74	V-1980 Std Only	w/Rotators; 1 groove; w/Rotocaps; 1.6800" Head Dia., .3710" Stem Dia., 4.9290" O.A.L.
	8	Exhaust, Bulk	78-75	V-2024B Std Only	4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Exhaust, Bulk	74	V-2024B Std Only	w/o Rotators; 4 groove; Chrome plated stem; Carton of 25; 1.6800" Head Dia., .3721" Stem Dia., 4.9090" O.A.L.
	8	Intake	78-74	V-1979 Std Only	4 groove; 2.0260" Head Dia., .3719" Stem Dia., 4.8980" O.A.L.
	8	Intake, Bulk	78-74	V-1979B Std Only	4 groove; Carton of 25; 2.0256" Head Dia., .3719" Stem Dia., 4.8976" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	78-74	VG-5062	Exh. & Int.; .3735" ID, 2.3800" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	78-74	ST-2002	Installation requires valve guide machining; Polyacrylate
	16	Valve Stem Seal Bulk	78-74	ST-2002BC	Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	78-74	245-1750-3N Std Only	Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth
	8	Exh.	78-74	245-1750-3 Std Only	1.7555" OD, 1.4375" ID, .2160" Depth
	8	Int.	78-74	245-2125-1 Std Only	2.1305" OD, 1.8125" ID, .2480" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	32	Keeper	78-75	VK-174	4 groove
	32	Keeper	78-75	VK-174R	4 groove; Hardened
	32	Keeper	74	VK-115	1 groove; Square cut key groove
	32	Keeper	74	VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper	74	VK-174	4 groove
VALVE TRAIN	32	Keeper	74	VK-174R	4 groove; Hardened
	32	Keeper, Bulk	74	VK-115B	1 groove; Square cut key groove; Carton of 1000
	16	Spring Insert	78-74	259-203C	.015"; Carton of 100
	16	Spring Insert	78-74	259-203B	.030"; Carton of 100
	16	Spring Insert	78-74	259-203BRS	.030"; Carton of 500
VALVE TRAIN	16	Spring Insert	78-74	259-203A	.060"; Carton of 100
	16	Spring Insert	78-74	259-203ARS	.060"; Carton of 500
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston	78-74	415CP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	8	Cast Piston - Individual	78-74	W415CP Std-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.488" CD, 1.0007" Pin Dia., Recessed Head .325" deep x 3.530" dia. - 8.5:1 C.R.; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-74	E-302K30 30-40-60	2-5/64, 1-3/16
BLOCK	1	Standard Set	78-74	E-302X Std-30-40	2-5/64, 1-3/16
	8	Premium Single Cylinder Set	78-74	WE-302K30 30	2-5/64, 1-3/16
	8	Standard Single Cylinder Set	78-74	WE-302X30 30	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	78-74	4950M10 10-20-30	
BLOCK	1	Cam Set	78-74	1401M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Pump Repair Kit	78-74	224-51285	
	1	Screen Assy.	78-74	224-14161	

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Jeep

19 6.6L 401 OHV V8, 4.165" Bore (AMC Eng.) 1978-74 (cont.) L/D Truck VIN Code "Z" 1974-78

QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	78-74	260-1151	Int. manifold gskt. not incl.; Premium valve stem seals incl.
1	Valley Pan Gasket Set	78-74	260-4008	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	78-74	381-8001	

Lada

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.3L 1288cc SOHC L4 76mm Bore (8 Valve).....	1990-89	 1	1.5L 1499cc SOHC L4 82mm Bore (8 Valve).....	1990-87	 3
1.5L 1498cc SOHC L4 86.4mm Bore (8 Valve) (Fiat Eng.)	1983-79	 2			

1 1.3L 1288cc SOHC L4 (8 Valve), 76mm Bore 1990-89

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-89	222-B49624	

2 1.5L 1498cc SOHC L4 (8 Valve), 86.4mm Bore (Fiat Eng.) 1983-79 Eng. Codes "138A" 1980-87, "138B" 1978-79

QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	83-79	60987AF Std Only	Position 3

3 1.5L 1499cc SOHC L4 (8 Valve), 82mm Bore 1990-87

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-87	222-B49624	

Lincoln Car - See Ford Car Mazda Car

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.3L 1272cc SOHC L4 73mm Bore (8 Valve).....	1978-76	 1	2.0L 1998cc SOHC L4 86mm Bore (8 Valve).....	1987-83	 11
1.4L 1415cc SOHC L4 77mm Bore (8 Valve).....	1980-79	 2	2.0L 1998cc SOHC Diesel L4 86mm Bore (8 Valve).....	1985-84	 12
1.5L 1490cc SOHC L4 77mm Bore (8 Valve).....	1986-81	 3	2.0L 1998cc SOHC Turbo L4 86mm Bore (8 Valve).....	1987-86	 13
1.6L 1586cc SOHC L4 78mm Bore (8 Valve).....	1977-70	 4	2.2L 2184cc SOHC L4 86mm Bore (12 Valve).....	1990-88	 14
1.6L 1597cc SOHC L4 78mm Bore (8 Valve).....	1990-86	 5	2.2L 2184cc SOHC Turbo L4 86mm Bore (12 Valve).....	1990-88	 15
1.6L 1597cc DOHC L4 78mm Bore (16 Valve)	1990	 6	3.0L 2954cc SOHC V6 90mm Bore (18 Valve)	1990-88	 16
1.6L 1597cc DOHC Turbo L4 78mm Bore (16 Valve).....	1989-88	 7	3.0L 2954cc DOHC V6 90mm Bore (24 Valve)	1990	 17
1.8L 1839cc SOHC L4 83mm Bore (16 Valve).....	1990	 8			
1.8L 1839cc DOHC L4 83mm Bore (16 Valve)	1990	 9			
2.0L 1970cc SOHC L4 80mm Bore (8 Valve).....	1983-79	 10			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
BP-ZD.....	1.8L 1839cc SOHC L4 83mm Bore (16 Valve).....	8	F2-T.....	2.2L 2184cc SOHC Turbo L4 86mm Bore (12 Valve).....	15
BP-ZE.....	1.8L 1839cc DOHC L4 83mm Bore (16 Valve).....	9	JE.....	3.0L 2954cc SOHC V6 90mm Bore (18 Valve).....	16
BP-Z3.....	1.8L 1839cc DOHC L4 83mm Bore (16 Valve).....	9	JE-ZE.....	3.0L 2954cc DOHC V6 90mm Bore (24 Valve).....	17
BP-4W.....	1.8L 1839cc DOHC L4 83mm Bore (16 Valve).....	9	JE-06.....	3.0L 2954cc SOHC V6 90mm Bore (18 Valve).....	16
B6.....	1.6L 1597cc SOHC L4 78mm Bore (8 Valve).....	5	JE-07.....	3.0L 2954cc SOHC V6 90mm Bore (18 Valve).....	16
B6-T.....	1.6L 1597cc DOHC Turbo L4 78mm Bore (16 Valve).....	7	JE-27.....	3.0L 2954cc DOHC V6 90mm Bore (24 Valve).....	17
B6-ZE.....	1.6L 1597cc DOHC L4 78mm Bore (16 Valve).....	6	JE-39.....	3.0L 2954cc SOHC V6 90mm Bore (18 Valve).....	16
D5.....	1.5L 1490cc SOHC L4 77mm Bore (8 Valve).....	3	JE-48.....	3.0L 2954cc DOHC V6 90mm Bore (24 Valve).....	17
E5.....	1.5L 1490cc SOHC L4 77mm Bore (8 Valve).....	3	MA.....	2.0L 1970cc SOHC L4 80mm Bore (8 Valve).....	10
FE.....	2.0L 1998cc SOHC L4 86mm Bore (8 Valve).....	11	NA.....	1.6L 1586cc SOHC L4 78mm Bore (8 Valve).....	4
FE-T.....	2.0L 1998cc SOHC Turbo L4 86mm Bore (8 Valve).....	13	RF.....	2.0L 1998cc SOHC Diesel L4 86mm Bore (8 Valve).....	12
FEH1.....	2.0L 1998cc SOHC L4 86mm Bore (8 Valve).....	11	TC.....	1.3L 1272cc SOHC L4 73mm Bore (8 Valve).....	1
FEH5.....	2.0L 1998cc SOHC Turbo L4 86mm Bore (8 Valve).....	13	UC.....	1.4L 1415cc SOHC L4 77mm Bore (8 Valve).....	2
FP-ZE.....	1.8L 1839cc DOHC L4 83mm Bore (16 Valve).....	9	ZM-DE.....	1.6L 1597cc DOHC L4 78mm Bore (16 Valve).....	6
F2.....	2.2L 2184cc SOHC L4 86mm Bore (12 Valve).....	14			

1.3L 1272cc SOHC L4 (8 Valve), 73mm Bore 1978-76 1 Eng. Code "TC" 1976-78

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain Tensioner	78-77	222-47CT	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Keeper	78-76	VK-208	Exh.
8	Keeper	78-76	VK-207	Int.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	78-76	12200P.75MM	.75-1.00MM Cast; 2-2.00mm, 1-4.00mm Ring Groove, 37.0mm CD, 20.0mm Pin Dia., Flat Head w/bevel-on-head 90 degrees from pin axis
4	Cast Piston	78-76	12165P1.50MM	1.50MM Cast; 2-2.00mm, 1-4.00mm Ring Groove, 38.5mm CD, 20.0mm Pin Dia., Domed Head 1.50mm high x 60.50mm dia.

1.4L 1415cc SOHC L4 (8 Valve), 77mm Bore 1980-79 2 Eng. Code "UC" 1979-80

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain Tensioner	80-79	222-47CT	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	80	VG-713	.3183" ID, 1.9900" O.A.L.
8	Guide	79	VG-713	From 6/6/79; .3183" ID, 1.9900" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	80	ST-2075	Positive type; Rubber
8	Valve Stem Seal	79	ST-2075	From Ser. No. FAUV 528947; Positive type; Rubber
8	Valve Stem Seal	79	ST-2075	From Ser. No. FA4US 572189; Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Keeper	80-79	VK-208	Exh.
8	Keeper	80-79	VK-207	Int.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	80-79	12204P	Std Only Cast; 2-1.50mm, 1-4.00mm Ring Groove, 31.0mm CD, 20.0mm Pin Dia., Recessed Head 1.00mm deep x 60.00mm dia. Chamfer & flat on head 90 degrees from pin axis
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	80-79	E-486KC	Std Only 2-1.50MM, 1-4.00MM
1	Standard Set	80-79	E-486X	Std Only 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	80-79	WE-486KC	Std Only 2-1.50MM, 1-4.00MM

(continued on next page)

Mazda Car

2 1.4L 1415cc SOHC L4 (8 Valve), 77mm Bore 1980-79 (cont.) Eng. Code "UC" 1979-80					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-79	7207M Std-.50MM	.689" O.A.L.
	1	Thrust Washer Set	80-79	3911AF Std Only	Position 5
	1	Rod Set	80-79	4-3910RA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings
3 1.5L 1490cc SOHC L4 (8 Valve), 77mm Bore 1986-81 Eng. Codes "D5" 1981-86, "E5" 1981-86					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	86-81	222-47CT	Eng. Code "D5"
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	85-81	VG-713	.3183" ID, 1.9900" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	85-81	ST-2075	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	85-81	VK-208	Exh.
	8	Keeper	85-81	VK-207	Int.
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	85-83	E-754KC Std-.25-.50MM	1-1.50MM, 1-2.00MM, 1-4.00MM
	1	Premium Set	82	E-754KC Std-.25-.50MM	From 1/82; 1-1.50MM, 1-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	85-83	WE-487KC Std-1.00MM	Use w/12205P piston; 1-1.20MM, 1-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	82	WE-487KC Std-1.00MM	To 1/82; Use w/12205P piston; 1-1.20MM, 1-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	81	WE-487KC Std-1.00MM	Use w/12205P piston; 1-1.20MM, 1-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-81	7207M Std-.50MM	.689" O.A.L.
	1	Thrust Washer Set	85-81	3911AF Std Only	Position 5
	1	Rod Set	85-81	4-3910RA Std-.25-.50-.75-1.00MM	A-Series aluminum bearings
4 1.6L 1586cc SOHC L4 (8 Valve), 78mm Bore 1977-70 Eng. Code "NA" 1970-77					
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	77-71	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
	4	Intake	77-71	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	77-71	VK-208	Exh.
	8	Keeper	77-71	VK-207	Int.
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	77-72	3569Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	77-71	E-350KC Std-.25-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	77-71	E-350X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	77-71	WE-350KC Std-.75MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	77-71	WE-350X Std-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	77-70	5027M Std-.25-.50MM	
	1	Thrust Washer Set	77-70	3567AF Std Only	Position 5
1	Cam Set	77-70	1442M Std Only		
5 1.6L 1597cc SOHC L4 (8 Valve), 78mm Bore 1990-86 Eng. Code "B6" 1986-95					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-B185	Square tooth
	1	Timing Belt	89-87	222-141	Round tooth
	1	Timing Belt	86	222-123	Round tooth
	1	Timing Belt Tensioner	90-86	222-164BT	
	1	Timing Belt & Tensioner Set	90	BTS-185	Square tooth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-88	CS-841	
	1	Camshaft	87-86	CS-840	
	16	Lifter	90-86	HT-2254 Std Only	Hyd. lash adj.
	16	Lifter, Bulk	90-86	HT-2254B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-88	KC-841	Hyd. lash adj.; Incl. (1) CS-841, (8) HT-2254, (1) 55-403B

(continued on next page)

Mazda Car

1.6L 1597cc SOHC L4 (8 Valve), 78mm Bore 1990-86 **5** Eng. Code "B6" 1986-95 (cont.)

QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
1	Rocker Shaft	90-88	RS-732	Exh.
1	Rocker Shaft	90-88	RS-731	Int.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-86	V-2590 Std Only	1.2600" Head Dia., .2745" Stem Dia., 4.0430" O.A.L.
4	Intake	90-86	V-2592 Std Only	1.4950" Head Dia., .2749" Stem Dia., 4.0860" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-86	VG-899	Exh. & Int.; Exc. Calif.; .2750" ID, 1.9700" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-86	ST-2082	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90	245-1437-66 Std Only	1.4445" OD, 1.1200" ID, .3000" Depth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	90-86	541P Std-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.230" CD, .7865" Pin Dia., Recessed Head .020" deep x 2.580" dia.
4	Cast Piston - Individual	90-86	W541P Std Only	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.230" CD, .7865" Pin Dia., Recessed Head .020" deep x 2.580" dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-86	E-551KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
1	Standard Set	90-86	E-551X Std-.50MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90-86	WE-551KC Std-.50MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-87	7204M Std-.25-.50-.75MM	
1	Main Set	86	7204M Std-.25-.50-.75MM	From 7/86
1	Main Set	86	7207M Std-.50MM	To 6/86; .689" O.A.L.
1	Thrust Washer Set	90-86	4176AF Std Only	
1	Rod Set	90-86	4-4175CP Std-.25-.50-.75MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	89-86	260-1764	Exh. heat shields not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.

1.6L 1597cc DOHC L4 (16 Valve), 78mm Bore 1990 **6** Eng. Codes "B6-ZE" 1990-96, "ZM-DE" 1999-2003

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B179	
1	Timing Belt Tensioner	90	222-213BT	
1	Belt Idler	90	222-214BT	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	90	HT-2276 Std Only	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90	V-4361 Std Only	Chrome plated stem; 1.0310" Head Dia., .2350" Stem Dia., 4.1500" O.A.L.
8	Intake	90	V-4360 Std Only	Chrome plated stem; 1.2200" Head Dia., .2345" Stem Dia., 4.1480" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90	245-1062-50 Std Only	1.0695" OD, .7900" ID, .2540" Depth
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-551KC Std-.50-.75MM	Miata; 2-1.50MM, 1-4.00MM
1	Standard Set	90	E-551X Std-.50MM	Miata; 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90	WE-551KC Std-.50MM	Miata; 2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7204M Std-.25-.50-.75MM	
1	Thrust Washer Set	90	4176AF Std Only	
1	Rod Set	90	4-4175CP Std-.25-.50-.75MM	

1.6L 1597cc DOHC Turbo L4 (16 Valve), 78mm Bore 1989-88 **7** Eng. Code "B6-T" 1988-89

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	89-88	HT-2254 Std Only	Hyd. lash adj.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	89-88	V-4361 Std Only	Chrome plated stem; 1.0310" Head Dia., .2350" Stem Dia., 4.1500" O.A.L.
8	Intake	89-88	V-4360 Std Only	Chrome plated stem; 1.2200" Head Dia., .2345" Stem Dia., 4.1480" O.A.L.

(continued on next page)

Mazda Car

7 1.6L 1597cc DOHC Turbo L4 (16 Valve), 78mm Bore 1989-88 (cont.) Eng. Code "B6-T" 1988-89					
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	89-88	ST-2079	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	89-88	245-1062-50	Std Only	1.0695" OD, .7900" ID, .2540" Depth
4	Int.	89-88	245-1250-61	Std Only	1.2570" OD, .9760" ID, .1800" Depth
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	89-88	7204M	Std-.25-.50-.75MM	
1	Thrust Washer Set	89-88	4176AF	Std Only	
1	Rod Set	89-88	4-4175CP	Std-.25-.50-.75MM	
8 1.8L 1839cc SOHC L4 (16 Valve), 83mm Bore 1990 Eng. Code "BP-ZD" 1990-96					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90	222-B185	Square tooth	
1	Timing Belt Tensioner	90	222-164BT		
1	Timing Belt & Tensioner Set	90	BTS-185	Square tooth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	90	HT-2254	Std Only	Hyd. lash adj.
8	Lifter, Bulk	90	HT-2254B	Std Only	Hyd. lash adj.; Carton of 128
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	90	VS-1415	Exh.; 1.7300" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	90	ST-2116	Positive type; Silicone	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	90	VK-284		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90	E-615KC	Std-.50-.75MM	2-1.50MM, 1-3.00MM
4	Premium Single Cylinder Set	90	WE-615KC	Std Only	2-1.50MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90	7204M	Std-.25-.50-.75MM	
1	Thrust Washer Set	90	4176AF	Std Only	
1	Rod Set	90	4-4175CP	Std-.25-.50-.75MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90	260-1855	Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90	381-8104		
9 1.8L 1839cc DOHC L4 (16 Valve), 83mm Bore 1990 Eng. Codes "BP-ZE" 1990-98, "BP-Z3" 2001-2005, "BP-4W" 1999-2000, "FP-ZE" 1999-2001					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90	222-B179		
1	Timing Belt Tensioner	90	222-213BT		
1	Belt Idler	90	222-214BT		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
24	Lifter	90	HT-2276	Std Only	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	90	V-4366	Std Only	Chrome plated stem; 1.1030" Head Dia., .2350" Stem Dia., 3.9970" O.A.L.
8	Intake	90	V-4364	Std Only	Chrome plated stem; 1.2980" Head Dia., .2350" Stem Dia., 3.9900" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	90	VG-1429T	Exh.; .2370" ID, 1.8080" O.A.L.	
8	Guide	90	VG-1428T	Int.; .2370" ID, 1.7750" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	90	VS-949	Exh. & Int.; 1.8500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	90	ST-2079	Positive type; Rubber	
16	Valve Stem Seal	90	ST-2116	Positive type; Silicone	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	90	245-1250-56	Std Only	1.005" ID top taper; 1.2570" OD, .9050" ID, .2300" Depth
8	Int.	90	245-1437-74	Std Only	1.4375" OD, 1.1620" ID, .2300" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	90	VK-285		

(continued on next page)

Mazda Car

1.8L 1839cc DOHC L4 (16 Valve), 83mm Bore 1990 9						
Eng. Codes "BP-ZE" 1990-98, "BP-Z3" 2001-2005, "BP-4W" 1999-2000, "FP-ZE" 1999-2001 (cont.)						
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-615KC	Std.-.50-.75MM 2-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90	WE-615KC	Std Only 2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	7204M	Std.-.25-.50-.75MM	
	1	Thrust Washer Set	90	4176AF	Std Only	
	1	Rod Set	90	4-4175CP	Std.-.25-.50-.75MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1853	Protege; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90	381-8104		
RE-RING KIT					PREMIUM	ECONOMY
YEARS		DESCRIPTION		KIT NO.	KIT NO.	
90		Protege; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Re-ring	205-6858	-----	
			Re-ring w/Mains	205-6858M	-----	
2.0L 1970cc SOHC L4 (8 Valve), 80mm Bore 1983-79 10						
Eng. Code "MA" 1979-83						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain Tensioner	83	222-47CT	To Ser. No. 614325	
	1	Timing Chain Tensioner	82-79	222-47CT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	82-79	CS-724		
	1	Prelube	82-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	82-79	V-2265	Std Only Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.	
	4	Intake	82-79	V-2187	Std Only 1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	82-81	VG-713	.3183" ID, 1.9900" O.A.L.		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	82-79	ST-2075	Positive type; Rubber		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
8	Keeper	82-79	VK-208	Exh.		
8	Keeper	82-79	VK-207	Int.		
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Pin Bushing	82-79	3569Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	83-82	E-612X	Std Only 1-1.50MM, 1-2.00MM, 1-4.00MM	
	1	Standard Set	81-79	E-409X	Std.-.75-1.00MM 1-1.20MM, 1-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	83-82	WE-612KC	Std.-.50MM 1-1.50MM, 1-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	81-79	WE-409KC	Std.-.50-.75MM 1-1.20MM, 1-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	82-79	5027M	Std.-.25-.50MM	
	1	Thrust Washer Set	82-79	3567AF	Std Only Position 5	
	1	Rod Set	82-79	4-4005P	Std.-.25-.50-.75MM	
	1	Cam Set	82-79	1442M	Std Only	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	83-79	260-1186	Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	83-79	381-8067		
RE-RING KIT					PREMIUM	ECONOMY
YEARS		DESCRIPTION		KIT NO.	KIT NO.	
81-79		Premium valve stem seals incl.	Re-ring	205-856	-----	
			Re-ring w/Mains	205-856M	-----	
2.0L 1998cc SOHC L4 (8 Valve), 86mm Bore 1987-83 11						
Eng. Codes "FE" 1983-87, "FEH1" 1983-87						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	87	222-117	Round tooth; 22.0MM wide	
	1	Timing Belt	87	222-113	To Ser. No. GC22-800051; Round tooth; 19.0MM wide	
	1	Timing Belt	87	222-113	To Ser. No. GC31-800030; Round tooth; 19.0MM wide	
	1	Timing Belt	87	222-113	To Ser. No. GC35-800034; Round tooth; 19.0MM wide	

(continued on next page)

Mazda Car

11 2.0L 1998cc SOHC L4 (8 Valve), 86mm Bore 1987-83
(cont.) Eng. Codes "FE" 1983-87, "FEH1" 1983-87

V A L V E T R A I N	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	86	222-117	From Ser. No. GC22-800052; Round tooth; 22.0MM wide
	1	Timing Belt	86	222-117	From Ser. No. GC31-800031; Round tooth; 22.0MM wide
	1	Timing Belt	86	222-117	From Ser. No. GC35-800035; Round tooth; 22.0MM wide
	1	Timing Belt	86	222-113	Round tooth; 19.0MM wide
	1	Timing Belt	85	222-113	Round tooth; 19.0MM wide
	1	Timing Belt	84	222-113	From 5/84; Round tooth; 19.0MM wide
	1	Timing Belt	84	222-88	To 4/84; Square tooth
	1	Timing Belt	83	222-88	Square tooth
	1	Timing Belt Tensioner	87	222-109BT	To Ser. No. GC22-800051
V A L V E T R A I N	1	Timing Belt Tensioner	87	222-109BT	To Ser. No. GC31-800030
	1	Timing Belt Tensioner	87	222-109BT	To Ser. No. GC35-800034
	1	Timing Belt Tensioner	86-83	222-109BT	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	87-83	R-1132	Exh. & Int. 1-3
	2	Arm	87-83	R-1131	Exh. & Int. 2-4
	1	Rocker Shaft	87-86	RS-738	Int.
	1	Rocker Shaft	87-83	RS-744	Exh.
	1	Rocker Shaft	87-83	RS-743	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
B L O C K	4	Exhaust	87-83	V-2345 Std Only	Nitrided stem; 1.4170" Head Dia., .3163" Stem Dia., 4.3970" O.A.L.
	4	Intake	87-83	V-2344 Std Only	Nitrided stem; 1.7323" Head Dia., .3165" Stem Dia., 4.4094" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	87-83	VG-713	Exh. & Int.; .3183" ID, 1.9900" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	87-83	VS-849	Inner; 1.7200" Free Height
	8	Spring	87-83	VS-848	Outer; 2.0410" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	87-83	ST-2075	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
B L O C K	4	Exh.	87-83	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
	4	Int.	87-83	245-1812-50 Std Only	1.8195" OD, 1.4900" ID, .3070" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	87-83	VK-208	Exh.
	8	Keeper	87-83	VK-207	Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	87-83	12306P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.
	4	Cast Piston - Individual	87-83	W12306P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.
	1	Cast Piston Set w/Prem. Rings	87-83	4K12306P.50MM .50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Premium Set	87-83	E-542K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	87-83	E-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	87-83	E-542X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87-83	WE-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-83	6692M Std-.25-.50-.75MM	
	1	Rod Set	87-83	4-3975P Std-.25-.50-.75-1.00MM	
	1	Cam Set	87-83	1863M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	87-83	224-41994	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87-83	260-1818	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	87-83	381-8100	

Mazda Car

2.0L 1998cc SOHC Diesel L4 (8 Valve), 86mm Bore 1985-84 12						
Eng. Code "RF" 1984-85						
BLOCK	QTY 16	VALVE, MISC Keeper	YEARS 85-84	PART NO. VK-207	DESCRIPTION	
	QTY 1	PISTON Pin Bushing Set	YEARS 85-84	PART NO. 4-67309Y	DESCRIPTION	
	QTY 1	RINGS Premium Set	YEARS 85-84	PART NO. E-594KC Std Only	DESCRIPTION 2-2.00MM, 1-4.00MM	
	QTY 1 1	ENGINE BEARINGS Main Set Rod Set	YEARS 85-84 85-84	PART NO. 6645MA Std-.25-.50MM 4-3975P Std-.25-.50-.75-1.00MM	DESCRIPTION A-Series aluminum bearings	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 85-84	PART NO. 381-8100	DESCRIPTION	
2.0L 1998cc SOHC Turbo L4 (8 Valve), 86mm Bore 1987-86 13						
Eng. Codes "FE-T" 1986-87, "FEH5" 1986-87						
BLOCK	QTY 1 1 1	TIMING Timing Belt Timing Belt Timing Belt Tensioner	YEARS 87-86 87-86 87-86	PART NO. 222-113 222-117 222-109BT	DESCRIPTION Round tooth; 19.0MM wide Round tooth; 22.0MM wide Use w/19.0mm wide belt	
	QTY 4 4	VALVE Exhaust Intake	YEARS 87-86 87-86	PART NO. V-2345 Std Only V-2344 Std Only	DESCRIPTION Nitrided stem; 1.4170" Head Dia., .3163" Stem Dia., 4.3970" O.A.L. Nitrided stem; 1.7323" Head Dia., .3165" Stem Dia., 4.4094" O.A.L.	
	QTY 8	VALVE GUIDE Guide	YEARS 87-86	PART NO. VG-1364	DESCRIPTION Exh. & Int.; .3173" ID, 2.1770" O.A.L.	
	QTY 4 4	VALVE SEAT Exh. Int.	YEARS 87-86 87-86	PART NO. 245-1500-54 Std Only 245-1812-50 Std Only	DESCRIPTION 1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth 1.8195" OD, 1.4900" ID, .3070" Depth	
	QTY 1 1 4	RINGS Premium Set Premium Set Premium Single Cylinder Set	YEARS 87-86 87-86 87-86	PART NO. E-542K Std-.50-.75-1.00MM E-542KC Std-.50-.75-1.00MM WE-542KC Std-.50-.75-1.00MM	DESCRIPTION 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM 2-1.50MM, 1-4.00MM	
	QTY 1 1	ENGINE BEARINGS Main Set Rod Set	YEARS 87-86 87-86	PART NO. 6692M Std-.25-.50-.75MM 4-3975P Std-.25-.50-.75-1.00MM	DESCRIPTION	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 87-86	PART NO. 381-8100	DESCRIPTION	
	2.2L 2184cc SOHC L4 (12 Valve), 86mm Bore 1990-88 14					
	Eng. Code "F2" 1988-92					
	VALVE TRAIN	QTY 1 1 1 1	TIMING Timing Belt Timing Belt Tensioner Timing Belt & Tensioner Set Belt Idler	YEARS 90-88 90-88 90-88 90-88	PART NO. 222-134 222-166BT BTS-134 222-215BT	DESCRIPTION
QTY 1 12 12 1		CAMSHAFT/LIFTER Camshaft Lifter Lifter, Bulk Prelube	YEARS 90-88 90-88 90-88 90-88	PART NO. CS-1509 HT-2254 Std Only HT-2254B Std Only 55-400	DESCRIPTION Hyd. lash adj. Hyd. lash adj.; Carton of 128 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY 1		CAM KIT Cam/Lifter Kit	YEARS 90-88	PART NO. KC-1509	DESCRIPTION Hyd. lash adj.; Incl. (1) CS-1509, (12) HT-2254, (1) 55-403B	
QTY 4 4		VALVE Exhaust Intake	YEARS 90-88 90-88	PART NO. V-2614 Std Only V-2615 Std Only	DESCRIPTION Chrome plated stem; 1.3390" Head Dia., .2745" Stem Dia., 4.5700" O.A.L. Chrome plated stem; 1.2800" Head Dia., .2747" Stem Dia., 4.5620" O.A.L.	
QTY 8 8		VALVE GUIDE Guide Guide	YEARS 90-88 90-88	PART NO. VG-927 VG-1376	DESCRIPTION .2761" ID, 2.0867" O.A.L. Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.	
QTY 4 8		VALVE SPRING Spring Spring	YEARS 90-88 90-88	PART NO. VS-1573 VS-1574	DESCRIPTION Exh.; 1.9450" Free Height Int.; 1.9220" Free Height	

(continued on next page)

Mazda Car

14 2.2L 2184cc SOHC L4 (12 Valve), 86mm Bore 1990-88

(cont.) Eng. Code "F2" 1988-92

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-88	ST-2082	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-88	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
4	Int.	90-88	245-1812-50 Std Only	1.8195" OD, 1.4900" ID, .3070" Depth
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-88	E-542K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Premium Set	90-88	E-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Standard Set	90-88	E-542X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90-88	WE-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	6692M Std-.25-.50-.75MM	
1	Rod Set	90-88	4-3975P Std-.25-.50-.75-1.00MM	
1	Cam Set	90-88	1863M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-88	224-41995	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90-88	260-1765	Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-88	381-8100	
RE-RING KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
90-88	Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		205-6861	205-1861
	Re-ring		205-6861M	205-1861M
	Re-ring w/Mains			

15 2.2L 2184cc SOHC Turbo L4 (12 Valve), 86mm Bore 1990-88

Eng. Code "F2-T" 1988-92

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-88	222-134	
1	Timing Belt Tensioner	90-88	222-166BT	
1	Timing Belt & Tensioner Set	90-88	BTS-134	
1	Belt Idler	90-88	222-215BT	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-88	CS-1509	
12	Lifter	90-88	HT-2254 Std Only	Hyd. lash adj.
12	Lifter, Bulk	90-88	HT-2254B Std Only	Hyd. lash adj.; Carton of 128
1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-88	KC-1509	Hyd. lash adj.; Incl. (1) CS-1509, (12) HT-2254, (1) 55-403B
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-88	V-4355 Std Only	Chrome plated stem; 1.3390" Head Dia., .2745" Stem Dia., 4.6420" O.A.L.
4	Intake	90-88	V-2615 Std Only	Chrome plated stem; 1.2800" Head Dia., .2747" Stem Dia., 4.5620" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-88	VG-927	.2761" ID, 2.0867" O.A.L.
8	Guide	90-88	VG-1376	Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
4	Spring	90-88	VS-1573	Exh.; 1.9450" Free Height
8	Spring	90-88	VS-1574	Int.; 1.9220" Free Height
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Int.	90-88	245-1375-56 Std Only	1.3820" OD, 1.1020" ID, .2600" Depth
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-88	E-542K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Premium Set	90-88	E-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	90-88	WE-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	6692M Std-.25-.50-.75MM	
1	Rod Set	90-88	4-3975P Std-.25-.50-.75-1.00MM	
1	Cam Set	90-88	1863M Std Only	

(continued on next page)

Mazda Car

2.2L 2184cc SOHC Turbo L4 (12 Valve), 86mm Bore 1990-88 15						
Eng. Code "F2-T" 1988-92 (cont.)						
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-88	224-41995		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-88	260-1765	Turbo mtg. gskts. not incl.; Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-88	381-8100		
RE-RING KIT					PREMIUM	ECONOMY
YEARS		DESCRIPTION			KIT NO.	KIT NO.
90-88		Turbo mtg. gskts. not incl.; Exh. heat shields not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6861	----
			Re-ring w/Mains		205-6861M	----
3.0L 2954cc SOHC V6 (18 Valve), 90mm Bore 1990-88 16						
Eng. Codes "JE" 1988-91, "JE-06" 1988-89, "JE-07" 1988-89, "JE-39" 1990-91						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-88	222-146		
	1	Timing Belt Tensioner	90-88	222-293BT	Tensioner roller	
	2	Belt Idler	90-88	222-216BT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	12	Lifter	89-88	HT-2254 Std Only	Hyd. lash adj.	
	12	Lifter, Bulk	89-88	HT-2254B Std Only	Hyd. lash adj.; Carton of 128	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	1	Rocker Shaft	90-88	RS-752	Exh.	
	1	Rocker Shaft	90-88	RS-751	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	12	Intake	90-88	V-3912 Std Only	1.2970" Head Dia., .2750" Stem Dia., 4.7780" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	9	Guide	90-88	VG-1433	Exh.; .3180" ID, 2.3600" O.A.L.	
9	Guide	90-88	VG-1432	Int.; .2760" ID, 2.3600" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
6	Spring	90-88	VS-1416	Exh. Inner; 2.0980" Free Height		
6	Spring	90-88	VS-953	Exh. Outer; 2.2700" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
6	Valve Stem Seal	90-88	ST-2075	Exh.; Positive type; Rubber		
12	Valve Stem Seal	90-88	ST-2082	Int.; Positive type; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
6	Exh.	90-88	245-1625-62 Std Only	1.6320" OD, 1.3200" ID, .3000" Depth		
6	Int.	90-88	245-1437-66 Std Only	1.4445" OD, 1.1200" ID, .3000" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
12	Keeper	90-88	VK-208	Exh.		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
1	Cast Piston Set w/Prem. Rings	90-88	6K13588CP Std-.50MM	Eng. Code "JE"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.393" CD, 23.0mm Pin Dia., Recessed Head w/3 valve reliefs; Skirt coated piston		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
1	Premium Set	90-88	E-618KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM		
6	Premium Single Cylinder Set	90-88	WE-618KC Std Only	2-1.50MM, 1-4.00MM		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	90-88	7407M Std-.25MM			
1	Thrust Washer Set	90-88	4916F Std Only			
1	Rod Set	90-88	6-1970RA Std Only			
1	Rod Set	90-88	6-4915P Std-.25MM			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1799	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	89-88	260-1800	Head bolts not incl.; Thermostat O-ring not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-89	381-8106			
RE-RING KIT					PREMIUM	ECONOMY
YEARS		DESCRIPTION			KIT NO.	KIT NO.
90		Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6883	----
			Re-ring w/Mains		205-6883M	----

Mazda Car

17 3.0L 2954cc DOHC V6 (24 Valve), 90mm Bore 1990 Eng. Codes "JE-ZE" 1990-95, "JE-27" 1990-91, "JE-48" 1992-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B183	
1	Timing Belt Tensioner	90	222-295BT	
1	Belt Idler	90	222-297BT	Upper
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
24	Lifter	90	HT-2293 Std Only	Eng. Code "JE-27"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
12	Intake	90	V-3912 Std Only	1.2970" Head Dia., .2750" Stem Dia., 4.7780" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	90	ST-2118	Exh. & Int.; O.E. design; Positive type; Viton®
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90	E-618KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	90	WE-618KC Std Only	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7407M Std-.25MM	
1	Thrust Washer Set	90	4916F Std Only	
1	Rod Set	90	6-1970RA Std Only	
1	Rod Set	90	6-4915P Std-.25MM	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90	381-8106	Eng. Codes "JE-27" & "JE-48"

Mazda Minivans - See Mazda Truck Mazda Truck (Includes Minivans)

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.6L 1586cc SOHC L4 78mm Bore (8 Valve) L/D Truck.....	1976-72	1	2.2L 2209cc OHV Diesel L4 88.9mm Bore (8 Valve) L/D Truck	1984-82	6
1.8L 1796cc SOHC L4 78mm Bore (8 Valve) L/D Truck.....	1978-77	2	2.6L 2555cc SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	1988-87	7
2.0L 1970cc SOHC L4 80mm Bore (8 Valve) L/D Truck.....	1984-79	3	2.6L 2606cc SOHC L4 92mm Bore (12 Valve) L/D Truck	1990-89	8
2.0L 1998cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	1987-86	4	3.0L 2954cc SOHC V6 90mm Bore (18 Valve) L/D Truck.....	1990-89	9
2.2L 2184cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	1990-87	5			
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
AM1	2.6L 2555cc SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	7	JE	3.0L 2954cc SOHC V6 90mm Bore (18 Valve) L/D Truck.....	9
FE	2.0L 1998cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	4	JE-E.....	3.0L 2954cc SOHC V6 90mm Bore (18 Valve) L/D Truck.....	9
F2G.....	2.2L 2184cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	5	MA	2.0L 1970cc SOHC L4 80mm Bore (8 Valve) L/D Truck.....	3
F2L	2.2L 2184cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	5	NA.....	1.6L 1586cc SOHC L4 78mm Bore (8 Valve) L/D Truck.....	1
G54B	2.6L 2555cc SOHC L4 91.1mm Bore (8 Valve) (Mitsubishi Eng.) L/D Truck.....	7	S2.....	2.2L 2209cc OHV Diesel L4 88.9mm Bore (8 Valve) L/D Truck.....	6
G6.....	2.6L 2606cc SOHC L4 92mm Bore (12 Valve) L/D Truck.....	8	VB.....	1.8L 1796cc SOHC L4 78mm Bore (8 Valve) L/D Truck.....	2

1 1.6L 1586cc SOHC L4 (8 Valve), 78mm Bore 1976-72 L/D Truck Eng. Code "NA" 1972-76				
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	76-72	CS-724	Single threaded on nose; When installing CS-724 the spacer provided must be used
1	Prelube	76-72	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	76-72	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
4	Intake	76-72	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Keeper	76-72	VK-208	Exh.

(continued on next page)

Mazda Truck (Includes Minivans)

1.6L 1586cc SOHC L4 (8 Valve), 78mm Bore 1976-72 1					
L/D Truck Eng. Code "NA" 1972-76 (cont.)					
BLOCK	QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Keeper	76-72	VK-207	Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	76-72	3569Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	76-72	E-350KC Std-.25-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	76-72	E-350X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	76-72	WE-350KC Std-.75MM	2-1.50MM, 1-4.00MM
4	Standard Single Cylinder Set	76-72	WE-350X Std-1.00MM	2-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	76-72	5027M Std-.25-.50MM		
1	Thrust Washer Set	76-72	3567AF Std Only	Position 5	
1	Cam Set	76-72	1442M Std Only		
1.8L 1796cc SOHC L4 (8 Valve), 78mm Bore 1978-77 2					
L/D Truck Eng. Code "VB" 1977-78					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	78-77	222-47CT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	78-77	CS-724	
	1	Prelube	78-77	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	78-77	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
	4	Intake	78-77	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	8	Keeper	78-77	VK-208	Exh.
	8	Keeper	78-77	VK-207	Int.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	78-77	3569Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	78-77	E-350KC Std-.25-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	78-77	E-350X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	78-77	WE-350KC Std-.75MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	78-77	WE-350X Std-1.00MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	78-77	5027M Std-.25-.50MM		
1	Thrust Washer Set	78-77	3567AF Std Only	Position 5	
1	Rod Set	78-77	4-4005P Std-.25-.50-.75MM		
1	Cam Set	78-77	1442M Std Only		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	78-77	381-8031		
2.0L 1970cc SOHC L4 (8 Valve), 80mm Bore 1984-79 3					
L/D Truck Eng. Code "MA" 1979-84					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	84-79	222-47CT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	84-79	CS-724	
	1	Prelube	84-79	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	84-79	V-2265 Std Only	Nitrided stem; 1.3000" Head Dia., .3150" Stem Dia., 4.2100" O.A.L.
	4	Intake	84-79	V-2187 Std Only	1.6560" Head Dia., .3161" Stem Dia., 4.2580" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	84-80	VG-713	.3183" ID, 1.9900" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	84-81	ST-2075	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
8	Keeper	84-79	VK-208	Exh.	
8	Keeper	84-79	VK-207	Int.	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Pin Bushing	84-79	3569Y		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	84-82	E-612X Std Only	1-1.50MM, 1-2.00MM, 1-4.00MM	

(continued on next page)

Mazda Truck (Includes Minivans)

3 2.0L 1970cc SOHC L4 (8 Valve), 80mm Bore 1984-79 (cont.) L/D Truck Eng. Code "MA" 1979-84							
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION		
	1	Standard Set	81-79	E-409X	Std.-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	84-82	WE-612KC	Std.-.50MM	1-1.50MM, 1-2.00MM, 1-4.00MM	
	4	Premium Single Cylinder Set	81-79	WE-409KC	Std.-.50-.75MM	1-1.20MM, 1-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	84-79	5027M	Std.-.25-.50MM	Position 5		
1	Thrust Washer Set	84-79	3567AF	Std Only			
1	Rod Set	84-79	4-4005P	Std.-.25-.50-.75MM			
1	Cam Set	84-79	1442M	Std Only			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	84-79	260-1186	Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	84-79	381-8067				
RE-RING KIT					PREMIUM	ECONOMY	
YEARS		DESCRIPTION		Re-ring	KIT NO.	KIT NO.	
81-79		Premium valve stem seals incl.		Re-ring w/Mains	205-856	-----	
					205-856M	-----	
4 2.0L 1998cc SOHC L4 (8 Valve), 86mm Bore 1987-86 L/D Truck Eng. Code "FE" 1986-87							
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1	Timing Belt	87	222-117	Round tooth; 22.0MM wide		
	1	Timing Belt	87	222-113	To Ser. No. UF11-568706; Round tooth; 19.0MM wide		
	1	Timing Belt	86	222-117	From Ser. No. UF11-568707; Round tooth; 22.0MM wide		
	1	Timing Belt	86	222-113	Round tooth; 19.0MM wide		
	1	Timing Belt Tensioner	87	222-109BT	To Ser. No. UF11-568706		
	1	Timing Belt Tensioner	86	222-109BT			
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	1	Camshaft	87-86	CS-614			
	1	Prelube	87-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	4	Exhaust	87-86	V-2345	Std Only	Nitrided stem; 1.4170" Head Dia., .3163" Stem Dia., 4.3970" O.A.L.	
	4	Intake	87-86	V-2344	Std Only	Nitrided stem; 1.7323" Head Dia., .3165" Stem Dia., 4.4094" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	8	Guide	87-86	VG-713	Exh. & Int.; .3183" ID, 1.9900" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION			
8	Spring	87-86	VS-849	Inner; 1.7200" Free Height			
8	Spring	87-86	VS-848	Outer; 2.0410" Free Height			
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION			
8	Valve Stem Seal	87-86	ST-2075	Positive type; Rubber			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
8	Keeper	87-86	VK-208	Exh.			
8	Keeper	87-86	VK-207	Int.			
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	4	Cast Piston	87-86	12306P	Std.-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.	
	4	Cast Piston - Individual	87-86	W12306P	Std.-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.	
	1	Cast Piston Set w/Prem. Rings	87-86	4K12306P.50MM	.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.0mm CD, 22.0mm Pin Dia., Recessed Head 2.60mm deep - 8.6:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	87-86	E-542K	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	1	Premium Set	87-86	E-542KC	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	87-86	E-542X	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	87-86	WE-542KC	Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	87-86	6692M	Std.-.25-.50-.75MM			
1	Rod Set	87-86	4-3975P	Std.-.25-.50-.75-1.00MM			
1	Cam Set	87-86	1863M	Std Only			

(continued on next page)

Mazda Truck (Includes Minivans)

2.0L 1998cc SOHC L4 (8 Valve), 86mm Bore 1987-86 4 L/D Truck Eng. Code "FE" 1986-87 (cont.)					
B L O C K	QTY 1	OIL PUMP Oil Pump	YEARS 87-86	PART NO. 224-41994	DESCRIPTION
	QTY 1	GASKETS Kit Gasket Set	YEARS 87-86	PART NO. 260-1820	DESCRIPTION PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 87-86	PART NO. 381-8100	DESCRIPTION
2.2L 2184cc SOHC L4 (8 Valve), 86mm Bore 1990-87 5 L/D Truck Eng. Codes "F2G" 1990-93, "F2L" 1987-93					
V A L V E T R A I N	QTY 1	TIMING Timing Belt	YEARS 90-87	PART NO. 222-134	DESCRIPTION
	1	Timing Belt Tensioner	90-87	222-166BT	
	1	Timing Belt & Tensioner Set	90-87	BTS-134	
	1	Belt Idler	90-87	222-215BT	
	QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS 90-87	PART NO. CS-1521	DESCRIPTION Eng. Code "F2L"
	8	Lifter	90-87	HT-2254 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90-87	HT-2254B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 2	ROCKER PARTS Arm	YEARS 90-87	PART NO. R-1129	DESCRIPTION Exh. & Int. 1-3
	2	Arm	90-87	R-1130	Exh. & Int. 2-4
	1	Rocker Shaft	90-87	RS-742	Exh.
	1	Rocker Shaft	90-87	RS-741	Int.
	QTY 4	VALVE Exhaust	YEARS 90-87	PART NO. V-2345 Std Only	DESCRIPTION Nitrided stem; 1.4170" Head Dia., .3163" Stem Dia., 4.3970" O.A.L.
	4	Intake	90-87	V-2344 Std Only	Nitrided stem; 1.7323" Head Dia., .3165" Stem Dia., 4.4094" O.A.L.
	QTY 8	VALVE GUIDE Guide	YEARS 90	PART NO. VG-1376	DESCRIPTION Exh. & Int.; Eng. Code "F2G"; Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.
	8	Guide	90-87	VG-1364	Exh. & Int.; Eng. Code "F2L"; .3173" ID, 2.1770" O.A.L.
	QTY 8	VALVE SPRING Spring	YEARS 90-87	PART NO. VS-849	DESCRIPTION Inner; 1.7200" Free Height
	8	Spring	90-87	VS-848	Outer; Eng. Code "F2L"; 2.0410" Free Height
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS 90-87	PART NO. ST-2075	DESCRIPTION Positive type; Rubber
	QTY 4	VALVE SEAT Exh.	YEARS 90-87	PART NO. 245-1500-54 Std Only	DESCRIPTION 1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
	4	Int.	90-87	245-1812-50 Std Only	1.8195" OD, 1.4900" ID, .3070" Depth
	QTY 8	VALVE, MISC Keeper	YEARS 90-87	PART NO. VK-208	DESCRIPTION Exh.
	8	Keeper	90-87	VK-207	Int.
B L O C K	QTY 4	PISTON Cast Piston	YEARS 90-87	PART NO. 636P Std-.50-.75-1.00MM	DESCRIPTION Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.418" CD, .8653" Pin Dia., Recessed Head .218" deep w/3 valve reliefs
	4	Cast Piston - Individual	90-87	W636P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.418" CD, .8653" Pin Dia., Recessed Head .218" deep w/3 valve reliefs
	1	Cast Piston Set w/Prem. Rings	90-87	4K636P Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.418" CD, 22.0mm Pin Dia., Recessed Head .218" deep w/3 valve reliefs
	QTY 1	RINGS Premium Set	YEARS 90-87	PART NO. E-542K Std-.50-.75-1.00MM	DESCRIPTION 2-1.50MM, 1-4.00MM
	1	Premium Set	90-87	E-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-87	E-542X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-87	WE-542KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY 1	ENGINE BEARINGS Main Set	YEARS 90-87	PART NO. 6692M Std-.25-.50-.75MM	DESCRIPTION
	1	Rod Set	90-87	4-3975P Std-.25-.50-.75-1.00MM	
	1	Cam Set	90-87	1863M Std Only	

(continued on next page)

Mazda Truck (Includes Minivans)

5 2.2L 2184cc SOHC L4 (8 Valve), 86mm Bore 1990-87 (cont.) L/D Truck Eng. Codes "F2G" 1990-93, "F2L" 1987-93						
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-87	224-41995		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1766	Eng. Code "F2G"; Exh. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
BLOCK	1	Kit Gasket Set	90-87	260-1766	Eng. Code "F2L"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-87	381-8100		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Eng. Code "F2G"; Exh. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6880	----
				Re-ring w/Mains	205-6880M	----
	90-87	Eng. Code "F2L"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6880	----
				Re-ring w/Mains	205-6880M	----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
KITS	90	Eng. Code "F2G"; Exh. manifold gskt. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Block w/Pump & Freeze Plugs	BKP-6290	----
				Block	BK-6290	----
	90-87	Eng. Code "F2L"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Block w/Pump & Freeze Plugs	BKP-6290	----
				Block	BK-6290	----
6 2.2L 2209cc OHV Diesel L4 (8 Valve), 88.9mm Bore 1984-82 L/D Truck Eng. Code "S2" 1982-84						
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	84-82	6644M Std-.25MM		
	1	Thrust Washer Set	84-82	3971AF Std Only	Position 3	
	1	Rod Set	84-82	4-3970CP Std-.25MM		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	84-83	381-8100		
7 2.6L 2555cc SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1988-87 L/D Truck Eng. Codes "AM1" 1987-88, "G54B" 1987-88						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Complete Set	88-87	KT-1013S	Incl. sprockets, chain, tensioner & guides	
	1	Bal. Shaft Set	88-87	KT-1014S	Incl. sprockets, chain & guides	
	1	Timing Chain	88-87	222-3DR102	Double rlr.; 102 Links	
	1	Timing Chain Tensioner	88-87	222-49CT		
	1	Timing Chain Guide	88-87	222-31GP	Slack Side	
	1	Timing Chain Guide	88-87	222-30GP	Tension Side	
	1	Bal. Shaft Chain Guide	88-87	222-64GP	R.H.	
	1	Bal. Shaft Chain Guide	88-87	222-51GP	R.H. Lower	
	1	Crank Sprocket	88-87	223-407	Outer; Single row; 34 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	88-87	CS-810		
	8	Lifter	88-87	HT-6000 Std Only	Hyd. lash adj.	
	8	Lifter, Bulk	88-87	HT-6000B Std Only	Hyd. lash adj.; Carton of 128	
VALVE TRAIN	1	Prelube	88-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	4	Arm	88-87	R-958	Exh.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	88-87	V-2313 Std Only	Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
	4	Intake	88-87	V-2312 Std Only	1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	88-87	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.	
	4	Guide	88-87	VG-715	Int.; .3155" ID, 1.8500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	88-87	VS-1461	Exh. & Int.; 1.9600" Free Height	
	8	Spring, Bulk	88-87	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	88-87	ST-2083	Exh. & Int.; Positive type; Rubber	

(continued on next page)

Mazda Truck (Includes Minivans)

2.6L 2555cc SOHC L4 (8 Valve), 91.1mm Bore (Mitsubishi Eng.) 1988-87 7																													
L/D Truck Eng. Codes "AM1" 1987-88, "G54B" 1987-88 (cont.)																													
B L O C K	QTY 4	VALVE SEAT Int.	YEARS 88-87	PART NO. 245-1875-51 Std Only	DESCRIPTION 1.8820" OD, 1.5750" ID, .3170" Depth																								
	QTY 16	VALVE, MISC Keeper	YEARS 88-87	PART NO. VK-232	DESCRIPTION																								
	QTY 4	PISTON Cast Piston	YEARS 88-87	PART NO. H605P Std-.50-.75-1.00-1.50MM	DESCRIPTION Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head																								
	4	Cast Piston - Individual	88-87	WH605P Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head																								
	QTY 1	RINGS Premium Set	YEARS 88-87	PART NO. E-439KC Std-.50-.75-1.00-1.50MM	DESCRIPTION 2-1.50MM, 1-4.00MM																								
	1	Standard Set	88-87	E-439X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM																								
	4	Premium Single Cylinder Set	88-87	WE-439KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM																								
	QTY 1	ENGINE BEARINGS Main Set	YEARS 88-87	PART NO. 6618M Std-.25-.50-.75MM	DESCRIPTION																								
	1	Rod Set	88-87	4-66675P Std-.25-.50-.75-1.00MM																									
	1	Cam Set	88-87	1858M Std Only																									
	1	Aux. Shaft Set	88-87	1805M	Rear bal. shaft; Aux. shaft																								
	QTY 1	OIL PUMP Oil Pump	YEARS 88-87	PART NO. 224-41914	DESCRIPTION																								
	QTY 1	GASKETS Kit Gasket Set	YEARS 88-87	PART NO. 260-1155	DESCRIPTION Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.																								
	1	Head Bolt Set	88-87	260-2513	Replacement recommended																								
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 88-87	PART NO. 381-8098	DESCRIPTION																								
<table> <tr> <th colspan="2">RE-RING KIT</th><th colspan="2"></th><th>PREMIUM KIT NO.</th><th>ECONOMY KIT NO.</th></tr> <tr> <th>YEARS</th><th>DESCRIPTION</th><th></th><th></th><th></th><th></th></tr> <tr> <td>88-87</td><td>Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.</td><td>Re-ring</td><td></td><td>205-750</td><td>205-250</td></tr> <tr> <td></td><td></td><td>Re-ring w/Mains</td><td></td><td>205-750M</td><td>205-250M</td></tr> </table>						RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	YEARS	DESCRIPTION					88-87	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-750	205-250			Re-ring w/Mains		205-750M	205-250M
RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.																								
YEARS	DESCRIPTION																												
88-87	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-750	205-250																								
		Re-ring w/Mains		205-750M	205-250M																								
2.6L 2606cc SOHC L4 (12 Valve), 92mm Bore 1990-89 8																													
L/D Truck Eng. Code "G6" 1989-94																													
V A L V E T R A I N	QTY 1	TIMING Timing Chain	YEARS 90-89	PART NO. 222-S102T3X	DESCRIPTION Single rlr.; 102 Links																								
	1	Timing Chain Tensioner	90-89	222-168CT																									
	1	Timing Chain Guide	90-89	222-169GP	L.H.																								
	1	Timing Chain Guide	90-89	222-170GP	R.H.																								
	1	Bal. Shaft Chain	90-89	222-3SR84T4	Single rlr.; 84 Links																								
	1	Bal. Shaft Chain Guide	90-89	222-172GP	L.H.																								
	1	Bal. Shaft Chain Guide	90-89	222-171GP	R.H.																								
	1	Bal. Shaft Chain Guide	90-89	222-173GP	Upper																								
	QTY 8	CAMSHAFT/LIFTER Lifter	YEARS 90-89	PART NO. HT-2254 Std Only	DESCRIPTION Hyd. lash adj.																								
	8	Lifter, Bulk	90-89	HT-2254B Std Only	Hyd. lash adj.; Carton of 128																								
	QTY 4	VALVE Exhaust	YEARS 90-89	PART NO. V-2579 Std Only	DESCRIPTION Chrome plated stem; 1.4134" Head Dia., .2750" Stem Dia., 4.4862" O.A.L.																								
	4	Intake	90-89	V-3913 Std Only	1.3110" Head Dia., .2750" Stem Dia., 4.4290" O.A.L.																								
	QTY 8	VALVE GUIDE Guide	YEARS 90-89	PART NO. VG-1376	DESCRIPTION Exh. & Int.; Incl. lock ring; Threaded; .2765" ID, 2.0880" O.A.L.																								
	QTY 8	VALVE SPRING Spring	YEARS 90-89	PART NO. VS-950	DESCRIPTION 1.9800" Free Height																								
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS 90-89	PART NO. ST-2082	DESCRIPTION Positive type; Rubber																								
	QTY 1	RINGS Premium Set	YEARS 90-89	PART NO. E-510K Std-.50-.75-1.00MM	DESCRIPTION 2-1.50MM, 1-4.00MM																								
	1	Premium Set	90-89	E-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM																								
	1	Standard Set	90-89	E-510X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM																								
	4	Premium Single Cylinder Set	90-89	WE-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM																								
	4	Premium Single Cylinder Set	90-89	WE-510K1.00MM 1.00MM	2-1.50MM, 1-4.00MM																								

(continued on next page)

Mazda Truck (Includes Minivans)

8 2.6L 2606cc SOHC L4 (12 Valve), 92mm Bore 1990-89 (cont.) L/D Truck Eng. Code "G6" 1989-94					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-89	7212M	Std-.25MM	
1	Rod Set	90-89	4-4200RA	Std-.25MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Pump Repair Kit	90-89	224-53579		
9 3.0L 2954cc SOHC V6 (18 Valve), 90mm Bore 1990-89 L/D Truck Eng. Codes "JE" 1989-93, "JE-E" 1994-1999					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90-89	222-146		
1	Timing Belt Tensioner	90-89	222-293BT	Tensioner roller	
2	Belt Idler	90-89	222-216BT		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter	90-89	HT-2254	Std Only	
12	Lifter, Bulk	90-89	HT-2254B	Std Only	
				Hyd. lash adj.	
				Hyd. lash adj.; Carton of 128	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
1	Rocker Shaft	90-89	RS-752	Exh.	
1	Rocker Shaft	90-89	RS-751	Int.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Intake	90-89	V-3912	Std Only	
				1.2970" Head Dia., .2750" Stem Dia., 4.7780" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
9	Guide	90-89	VG-1433	Exh.; .3180" ID, 2.3600" O.A.L.	
9	Guide	90-89	VG-1432	Int.; .2760" ID, 2.3600" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
6	Spring	90-89	VS-1416	Exh. Inner; 2.0980" Free Height	
6	Spring	90-89	VS-953	Exh. Outer; 2.2700" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
6	Valve Stem Seal	90-89	ST-2075	Exh.; Positive type; Rubber	
6	Valve Stem Seal	90-89	ST-2082	Int.; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Exh.	90-89	245-1625-62	Std Only	
6	Int.	90-89	245-1437-66	Std Only	
				1.6320" OD, 1.3200" ID, .3000" Depth	
				1.4445" OD, 1.1200" ID, .3000" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	90-89	VK-208	Exh.	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
1	Cast Piston Set w/Prem. Rings	90-89	6K13588CP	Std-.50MM	
				Eng. Code "JE"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.393" CD, 23.0mm Pin Dia., Recessed Head w/3 valve reliefs; Skirt coated piston	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-89	E-618KC	Std-.50-.75-1.00MM	
6	Premium Single Cylinder Set	90-89	WE-618KC	Std Only	
				2-1.50MM, 1-4.00MM	
				2-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-89	7407M	Std-.25MM	
1	Thrust Washer Set	90-89	4916F	Std Only	
1	Rod Set	90-89	6-1970RA	Std Only	
1	Rod Set	90-89	6-4915P	Std-.25MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-89	260-1799		
				Head bolts not incl.; Thermostat O-ring not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-89	381-8106		
RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS	DESCRIPTION				
90-89	Head bolts not incl.; Thermostat O-ring not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		Re-ring	205-6883	-----
			Re-ring w/Mains	205-6883M	-----

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
2.2L 2197cc SOHC L4 87mm Bore (8 Valve).....	1973-68	1	3.0L 2998cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....	1985-83	9
2.3L 2298cc SOHC L4 95.5mm Bore (8 Valve).....	1988-84	2	3.0L 3005cc SOHC Diesel L5 91mm Bore (10 Valve).....	1981-75	10
2.4L 2404cc SOHC Diesel L4 91mm Bore (8 Valve).....	1983-74	3	3.0L 3005cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....	1982-78	11
2.5L 2497cc SOHC Diesel L5 87mm Bore (10 Valve).....	1989-86	4	3.5L 3449cc SOHC Diesel L6 89mm Bore (12 Valve).....	1990	12
2.5L 2497cc SOHC Turbo-Diesel L5 87mm Bore (10 Valve).....	1987	5	3.8L 3839cc SOHC V8 88mm Bore (16 Valve).....	1985-81	13
2.6L 2599cc SOHC L6 82.9mm Bore (12 Valve).....	1990-87	6			
3.0L 2962cc SOHC L6 88.5mm Bore (12 Valve).....	1990-86	7			
3.0L 2996cc SOHC Turbo-Diesel L6 87mm Bore (12 Valve).....	1987-86	8			

Engine Code Index							
Engine Code		Engine Description	Line No.	Engine Code		Engine Description	Line No.
OM602.....	2.5L 2497cc SOHC Diesel L5 87mm Bore (10 Valve).....		4	116.960/116.961/ 116.962/116.963....	3.8L 3839cc SOHC V8 88mm Bore (16 Valve).....		13
OM603.....	3.0L 2996cc SOHC Turbo-Diesel L6 87mm Bore (12 Valve).....		8	603.961	3.0L 2996cc SOHC Turbo-Diesel L6 87mm Bore (12 Valve).....		8
OM617.....	3.0L 2998cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....		9	616.912	2.4L 2404cc SOHC Diesel L4 91mm Bore (8 Valve).....		3
102.961	2.3L 2298cc SOHC L4 95.5mm Bore (8 Valve).....		2	616.916	2.4L 2404cc SOHC Diesel L4 91mm Bore (8 Valve).....		3
102.985	2.3L 2298cc SOHC L4 95.5mm Bore (8 Valve).....		2	617.910	3.0L 3005cc SOHC Diesel L5 91mm Bore (10 Valve).....		10
103.940	2.6L 2599cc SOHC L6 82.9mm Bore (12 Valve).....		6	617.912	3.0L 3005cc SOHC Diesel L5 91mm Bore (10 Valve).....		10
103.942	2.6L 2599cc SOHC L6 82.9mm Bore (12 Valve).....		6	617.912	3.0L 3005cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....		11
103.981	3.0L 2962cc SOHC L6 88.5mm Bore (12 Valve).....		7	617.950/617.951/ 617.952.....	3.0L 2998cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....		9
103.983	3.0L 2962cc SOHC L6 88.5mm Bore (12 Valve).....		7	617.952	3.0L 3005cc SOHC Turbo-Diesel L5 91mm Bore (10 Valve).....		11
103.985	3.0L 2962cc SOHC L6 88.5mm Bore (12 Valve).....		7				
115.920	2.2L 2197cc SOHC L4 87mm Bore (8 Valve).....		1				

2.2L 2197cc SOHC L4 (8 Valve), 87mm Bore 1973-68					1
Eng. Code "115.920" 1968-73					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	73-68	66662AF Std Only	Position 3	
2.3L 2298cc SOHC L4 (8 Valve), 95.5mm Bore 1988-84					2
Eng. Codes "102.961" 1984, "102.985" 1984-88 & 1991-93					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	88-84	4561F Std Only		
1	Rod Set	88-84	4-4560P Std-.25MM		
2.4L 2404cc SOHC Diesel L4 (8 Valve), 91mm Bore 1983-74					3
Eng. Codes "616.912" 1977-83, "616.916" 1974-76					
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
4	Premium Set	83-74	E-592KC Std Only	1-3.00MM, 1-2.00MM, 1-4.00MM (1 cyl. set)	
2.5L 2497cc SOHC Diesel L5 (10 Valve), 87mm Bore 1989-86					4
Eng. Code "602.911" 1984-89					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	89-86	4561F Std Only		
2.5L 2497cc SOHC Turbo-Diesel L5 (10 Valve), 87mm Bore 1987					5
Eng. Codes "602.961" 1987, "602.962" 1990-93					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	87	4561F Std Only		
2.6L 2599cc SOHC L6 (12 Valve), 82.9mm Bore 1990-87					6
Eng. Codes "103.940" 1987-92, "103.942" 1987-93					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-87	7314M Std-.25MM		

(continued on next page)

Mercedes

6 2.6L 2599cc SOHC L6 (12 Valve), 82.9mm Bore 1990-87 (cont.) Eng. Codes "103.940" 1987-92, "103.942" 1987-93				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	(cont.) Thrust Washer Set	90-87	4561F Std Only	
1	Rod Set	90-87	6-4560P Std-.25MM	
7 3.0L 2962cc SOHC L6 (12 Valve), 88.5mm Bore 1990-86 Eng. Codes "103.981" 1988-91, "103.983" 1986-93, "103.985" 1990-93				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-86	7314M Std-.25MM	
1	Thrust Washer Set	90-86	4561F Std Only	
1	Rod Set	90-86	6-4560P Std-.25MM	
8 3.0L 2996cc SOHC Turbo-Diesel L6 (12 Valve), 87mm Bore 1987-86 Eng. Code "603.961" 1986-87				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	87-86	7314M Std-.25MM	
1	Thrust Washer Set	87-86	4561F Std Only	
1	Rod Set	87-86	6-4580P Std-.25-.50MM	
9 3.0L 2998cc SOHC Turbo-Diesel L5 (10 Valve), 91mm Bore 1985-83 Eng. Codes "617.951" 1983-85, "617.952" 1983-85				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
5	Premium Set	85-83	E-592KC Std Only	1-3.00MM, 1-2.00MM, 1-4.00MM (1 cyl. set)
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	85-83	66662AF Std Only	
1	Rod Set	85-83	5-61980RA Std-.75MM	
10 3.0L 3005cc SOHC Diesel L5 (10 Valve), 91mm Bore 1981-75 Eng. Codes "617.910" 1975-76, "617.912" 1977-81				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
5	Premium Set	81-78	E-592KC Std Only	1-3.00MM, 1-2.00MM, 1-4.00MM (1 cyl. set)
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	81-75	66662AF Std Only	Position 3
1	Rod Set	81-75	5-61980RA Std-.75MM	
11 3.0L 3005cc SOHC Turbo-Diesel L5 (10 Valve), 91mm Bore 1982-78 Eng. Codes "617.912" 1979-82, "617.952" 1978-82				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
5	Premium Set	82-78	E-592KC Std Only	1-3.00MM, 1-2.00MM, 1-4.00MM (1 cyl. set)
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	82-78	66662AF Std Only	Position 3
1	Rod Set	82-78	5-61980RA Std-.75MM	
12 3.5L 3449cc SOHC Diesel L6 (12 Valve), 89mm Bore 1990				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7314M Std-.25MM	
1	Thrust Washer Set	90	4561F Std Only	
1	Rod Set	90	6-4580P Std-.25-.50MM	
13 3.8L 3839cc SOHC V8 (16 Valve), 88mm Bore 1985-81 Eng. Codes "116.960" 1981-83, "116.961" 1981-83, "116.962" 1982-85, "116.963" 1982-85				
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	85-81	VG-771	Exh.; Std. OD; .3540" ID, 1.9880" O.A.L.

Mercury - See Ford Car

Mercury Marine

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)		1	5.0L 302 OHV V8 4" Bore (Ford Eng.)	9
3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.) ..		2	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
3.7L 224 OHV L4 4.36" Bore		3	5.3L 327 OHV V8 4" Bore (Chevrolet) (GMC Eng.) . 1969-63	11
3.8L 229 OHV V6 3.736" Bore (Chevrolet) (GMC Eng.)		4	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.) .	12
3.8L 230 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)		5	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	13
4.1L 250 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)		6	7.0L 427 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	14
4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.) .	1981-67	7	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
4.6L 283 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)		8	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16

Mercury Marine

Model Index

Model	Engine Description	Line No.	Model	Engine Description	Line No.
Black Scorpion (315 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	350 Magnum Tournament Ski (265 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
HP 525 SC (500 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15	350 Magnum Tournament Ski (270 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
HP 600 SC (550 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16	370 TRS (370 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
HP420 (420 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15	4.3 Liter (155 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
HP425 (385 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15	4.3 Liter (175 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
HP425 (400 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15	4.3L (155 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
HP425 (425 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15	4.3L (175 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
HP465 (465 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16	4.3LX (175 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
120/2.5 Liter (120 HP)...Marine Applications.....	2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)	1	4.3LX (180 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
140 (140 HP)...Marine Applications.....	3.8L 230 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)	5	4.3LX (205 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7
140/3.0 Liter (115 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	400 TRS (400 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
140/3.0 Liter (130 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	450 (450 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
140/3.0 Liter (135 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	454 Magnum Alpha (330 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
140/3.0 Liter (140 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	454 Magnum Bravo (350 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
140/3.0 Liter LX (115 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	454 Magnum Bravo (365 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
140/3.0 Liter LX (130 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	470...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3
140/3.0 Liter LX (135 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	485...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3
140/3.0 Liter LX (140 HP)...Marine Applications.....	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	488...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3
150 (150 HP)...Marine Applications.....	3.8L 230 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)	5	5.0L (180 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
160 (160 HP)...Marine Applications.....	4.1L 250 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)	6	5.0L (190 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
165...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3	5.0L (200 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
165 (165 HP)...Marine Applications.....	4.1L 250 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)	6	5.0LX (205 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
170...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3	5.0LX (230 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10
175 (175 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7	5.7L (230 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
180...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3	5.7L (235 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
185...Marine Applications.....	3.8L 229 OHV V6 3.736" Bore (Chevrolet) (GMC Eng.)	4	5.7L (260 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
185 (185 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7	5.7L Blue Water Inboard (250 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
190...Marine Applications.....	3.7L 224 OHV L4 4.36" Bore	3	5.7L Blue Water Inboard (260 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
190 (190 HP)...Marine Applications.....	4.6L 283 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	8	5.7L Bravo (240 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
198/898 (198 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	5.7L Bravo (250 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
200 (200 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	5.7L Bravo (270 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
200/5.0L (200 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	5.7L Comp Ski (250 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
205 (205 HP)...Marine Applications.....	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	7	5.7L Comp Ski (260 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12
215 (215 HP)...Marine Applications.....	5.0L 302 OHV V8 4" Bore (Ford Eng.)	9	500 (470 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16
225 (225 HP)...Marine Applications.....	5.0L 302 OHV V8 4" Bore (Ford Eng.)	9	502 Magnum Bravo (390 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16
225 (225 HP)...Marine Applications.....	5.3L 327 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	11	502 Magnum Bravo (415 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16
228 (228 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	7.4L Blue Water Inboard (310 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
230 (230 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	7.4L Blue Water Inboard (340 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
230/5.0L (230 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	7.4L Bravo (300 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
230/5.0LX (230 HP)...Marine Applications.....	5.0L 305 OHV V8 3.736" Bore (Chevrolet) (GMC Eng.)	10	7.4L Bravo (330 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
233 (233 HP)...Marine Applications.....	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	13	7.4L Bravo I (300 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
250 (250 HP)...Marine Applications.....	5.3L 327 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	11	7.4L Bravo I (330 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
255 (255 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	7.4L Bravo II (300 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
255 (255 HP)...Marine Applications.....	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	13	7.4L Bravo II (330 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
260 (260 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	7.4L Bravo III (350 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
260/5.7L (260 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	7.4L EFI Inboard (310 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15
270 (270 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	8.2L Inboard (400 HP)...Marine Applications.....	8.2L 502 OHV V8 4.466" Bore (Performance) (GMC Eng.)	16
280 (280 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12	888 (198 HP)...Marine Applications.....	5.0L 302 OHV V8 4" Bore (Ford Eng.)	9
300 (300 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
300 MR/TR (300 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
325 (325 HP)...Marine Applications.....	7.0L 427 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	14			
330 (330 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15			
340 (340 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15			
350 (350 HP)...Marine Applications.....	7.4L 454 OHV V8 4.25" Bore (Chevrolet) (GMC Eng.)	15			
350 Magnum (240 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
350 Magnum (250 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
350 Magnum (265 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
350 Magnum (270 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
350 Magnum Tournament Ski (240 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			
350 Magnum Tournament Ski (250 HP)...Marine Applications.....	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	12			

2.5L 153 OHV L4 (Chevrolet), 3.875" Bore (GMC Eng.) 1 Marine Applications Model 120/2.5 Liter (120 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set		221-2528S	120 HP; From Ser. No. 3253906 to 3331603; From Ser. No. 3331897; Incl. (1) 221-2526, (1) 221-2527
	1	Crank Gear		221-2527	120 HP; From Ser. No. 3253906 to 3331603; From Ser. No. 3331897; 27 Teeth
	1	Cam Gear		221-2526	120 HP; From Ser. No. 3253906 to 3331603; From Ser. No. 3331897; Alum.; 54 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-708	120 HP; From Ser. No. 1666601 & up
	8	Lifter		HT-817 Std Only	110 HP; From Ser. No. 1537370 to 1633400 & from Ser. No. 1945392; Hyd.
	8	Lifter		HT-817 Std Only	120 HP; From Ser. No. 1666601; Hyd.
	8	Lifter, Bulk		HT-817B Std Only	110 HP; From Ser. No. 1537370 to 1633400 & from Ser. No. 1945392; Hyd.; Carton of 128
	8	Lifter, Bulk		HT-817B Std Only	120 HP; From Ser. No. 1666601 & from Ser. No. 1945392; Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod		RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.		R-832	Incl. arm, ball & nut
	8	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64
	8	Arm		R-832A	
	8	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	8	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust		V-1888X Std-15	110 HP; 120 HP; To Ser. No. 3377340; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	4	Exhaust		V-1904 Std-3-15-30	120 HP; From Ser. No. 3377341; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	4	Exhaust, Bulk		V-1904B Std-15	120 HP; From Ser. No. 3377341; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	4	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	4	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide		VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.
	4	Guide		VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
	4	Guide		VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
	4	Guide		VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
	4	Guide, Bulk		VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	4	Guide, Bulk		VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-521	110 HP; To Ser. No. 1564733; Incl. damper; 2.1090" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	8	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	8	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper		VK-115	1 groove; Square cut key groove
	16	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston		1108P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	4	Cast Piston		1108NP * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs

(continued on next page)

Mercury Marine

1 2.5L 153 OHV L4 (Chevrolet), 3.875" Bore (GMC Eng.) (cont.) Marine Applications Model 120/2.5 Liter (120 HP)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston - Individual		W1108NP30 * 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	4	Pin		P-2208 Std-3-5-0015	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-450K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-450X Std-20-30-40-60	2-5/64, 1-3/16
	4	Premium Single Cylinder Set		WE-450K Std-20-30-40-60	2-5/64, 1-3/16
	4	Standard Single Cylinder Set		WE-450X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4123MA Std-1-10-20-30	A-Series aluminum bearings
BLOCK	1	Rod Set		4-2020CP Std-1-10-20-30-40	
	4	Rod Pair		2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set		1202M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4147	
	1	Oil Pump		224-4157	High Volume, check pan for clearance
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set		260-1504M	From Ser. No. 1666601 to 6229717; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.
	1	Kit Gasket Set		260-1505M	From Ser. No. 6229718; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8006	

2 3.0L 181 OHV L4 (Chevrolet), 4" Bore (GMC Eng.) Marine Applications Models 140/3.0 Liter, 140/3.0 Liter LX (115 HP); 140/3.0 Liter, 140/3.0 Liter LX (130 HP); 140/3.0 Liter, 140/3.0 Liter LX (135 HP); 140/3.0 Liter, 140/3.0 Liter LX (140 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Gear Set		221-2528S	From Ser. No. 2508261 To Ser. No. 2911134; Incl. (1) 221-2526, (1) 221-2527
	1	Crank Gear		221-2527	From Ser. No. 2911135; 27 Teeth
	1	Cam Gear		221-2526	From Ser. No. 2508261; Alum.; 54 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1068M	
	8	Lifter		HT-817 Std Only	From Ser. No. 2508261; Hyd.
	8	Lifter, Bulk		HT-817B Std Only	From Ser. No. 2508261; Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	1	Cam/Lifter Kit		KC-1068M	Incl. (1) CS-1068M, (8) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod		RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.		R-832	Incl. arm, ball & nut
	8	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64
	8	Arm		R-832A	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust		V-4231 Std Only	Chrome plated stem; Swirl Polish; 1.6000" Head Dia., .3407" Stem Dia., 4.9000" O.A.L.
	4	Intake		V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
VALVE TRAIN	4	Intake, Bulk		V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide		VG-5005	Plain; .3430" ID, 2.2500" O.A.L.
	4	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	4	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	4	Guide		VG-5006	Int.; Plain; .3440" ID, 2.3750" O.A.L.
	4	Guide		VG-5006T	Int.; Threaded; .3425" ID, 2.3800" O.A.L.
	4	Guide		VG-5055T	Int.; Threaded; .3430" ID, 2.3750" O.A.L.
	4	Guide, Bulk		VG-5005B	Plain; Carton of 50; .3430" ID, 2.2500" O.A.L.
	4	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
VALVE TRAIN	4	Guide, Bulk		VG-5006B	Int.; Plain; Carton of 50; .3440" ID, 2.3750" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper		VK-115	1 groove; Square cut key groove
	16	Keeper		VK-115R	1 groove; Square cut key groove; Hardened

(continued on next page)

Mercury Marine

3.0L 181 OHV L4 (Chevrolet), 4" Bore (GMC Eng.) 2						
Marine Applications Models 140/3.0 Liter, 140/3.0 Liter LX (115 HP); 140/3.0 Liter, 140/3.0 Liter LX (cont.) (130 HP); 140/3.0 Liter, 140/3.0 Liter LX (135 HP); 140/3.0 Liter, 140/3.0 Liter LX (140 HP)						
BLOCK	QTY 16	VALVE, MISC (cont.) Keeper, Bulk	YEARS	PART NO. VK-115B	DESCRIPTION 1 groove; Square cut key groove; Carton of 1000	
	QTY 4	PISTON Cast Piston	YEARS	PART NO. H897CP Std-20-30-40-60	DESCRIPTION Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.610" CD, .9275" Pin Dia., Flat Head	
	4	Cast Piston		H896CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9279" Pin Dia., Recessed Head .140" deep x 1.610 Radius	
	4	Cast Piston - Individual		WH897CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.610" CD, .9275" Pin Dia., Flat Head	
	4	Cast Piston - Individual		WH896CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9279" Pin Dia., Recessed Head .140" deep x 1.610 Radius	
	QTY 1 1 4 4	RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set	YEARS	PART NO. E-381K Std-20-30-40-60 E-381X Std-20-30-40-60 WE-381K Std-20-30 WE-381X Std-20-30-40	DESCRIPTION 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16 2-5/64, 1-3/16	
	QTY 1 4 4 4 1	ENGINE BEARINGS Main Set Rod Pair Rod Pair Rod Pair Cam Set	YEARS	PART NO. 4123MA Std-1-10-20-30 2555A Std-1-2-10-20-30-40-50-60 2555CP Std-1-2-10-20-30-40-50 2555CA60 60 1461M Std Only	DESCRIPTION A-Series aluminum bearings A-Series aluminum bearings Overplated copper-lead alloy Unplated & resizeable	
	QTY 1	OIL PUMP Oil Pump	YEARS	PART NO. 224-4147	DESCRIPTION	
	QTY 1 1	GASKETS Kit Gasket Set Kit Gasket Set	YEARS	PART NO. 260-1505M 260-1506M	DESCRIPTION From Ser. No. 6229718; Exc. LX Engs.; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl. To Ser. No. 6229717; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS	PART NO. 381-8006	DESCRIPTION	
	OVERHAUL KIT					PREMIUM KIT NO.
	YEARS	DESCRIPTION			ECONOMY KIT NO.	
		Model 140; To Ser. No. 6229717		Master	MKP-6269A	
				Master w/o Pistons	MK-6269A	
		Model 140; From Ser. No. 6229718		Master	MKP-6269C	
			Master w/o Pistons	MK-6269C		
3.7L 224 OHV L4, 4.36" Bore 3						
Marine Applications Models 165; 170; 180; 190; 470; 485; 488						
VALVE TRAIN	QTY 1 8 8 8 1	CAMSHAFT/LIFTER Camshaft Lifter Lifter Lifter, Bulk Prelube	YEARS	PART NO. CS-1060M HT-900 Std Only HT-900R Std Only HT-900B Std Only 55-400	DESCRIPTION w/o Camshaft driven water pump Hyd. Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy. Hyd.; Carton of 122 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY 8	PUSH ROD Push Rod	YEARS	PART NO. RP-3185	DESCRIPTION 8.6480" O.A.L.	
	QTY 4 4 4 4	VALVE Exhaust Exhaust, Bulk Intake Intake, Bulk	YEARS	PART NO. V-1984 Std-15 V-1984B15 15 V-3929 Std-15 V-3929B15 15	DESCRIPTION Chrome plated stem; 1.6530" Head Dia., .3419" Stem Dia., 4.9830" O.A.L. Chrome plated stem; Carton of 25; 1.6530" Head Dia., .3569" Stem Dia., 4.9830" O.A.L. Chrome plated stem; 2.0830" Head Dia., .3419" Stem Dia., 5.1980" O.A.L. Chrome plated stem; Carton of 25; 2.0830" Head Dia., .3569" Stem Dia., 5.1980" O.A.L.	
	QTY 8 8	VALVE SPRING Spring Spring, Bulk	YEARS	PART NO. VS-718 VS-718B	DESCRIPTION 2.0280" Free Height Carton of 250; 2.0280" Free Height	
	QTY 16 16	VALVE, MISC Keeper Keeper	YEARS	PART NO. VK-115 VK-115R	DESCRIPTION 1 groove; Square cut key groove 1 groove; Square cut key groove; Hardened	

(continued on next page)

Mercury Marine

3 3.7L 224 OHV L4, 4.36" Bore (cont.) Marine Applications Models 165; 170; 180; 190; 470; 485; 488					
QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION	
16	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set		7205M	Std-10-20	
1	Rod Set		4-4180CP	Std-10-20-30	
1	Cam Set		1414M	Std Only Babbitt material; Full round design	
4 3.8L 229 OHV V6 (Chevrolet), 3.736" Bore (GMC Eng.) Marine Applications Model 185					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set		KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391	
1	Timing Chain		222-499	Use w/.405" tooth width sprocket; 46 Links	
1	Crank Sprocket		223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth	
1	Cam Sprocket		223-390	.405" tooth width sprocket; 36 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter		HT-817	Std Only Hyd.	
12	Lifter, Bulk		HT-817B	Std Only Hyd.; Carton of 128	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
6	Cast Piston		698P30	30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.	
6	Cast Piston - Individual		W698P30	30-40-60 Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set		E-414K	Std-30-40 2-5/64, 1-3/16	
1	Standard Set		E-414X	Std-30-40-60 2-5/64, 1-3/16	
6	Premium Single Cylinder Set		WE-414K	Std-30-40 2-5/64, 1-3/16	
6	Standard Single Cylinder Set		WE-414X	Std-30-40 2-5/64, 1-3/16	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set		5085M	Std-1-10-20-30-40	
1	Main Set		6687M10	10-20-30 .020" O/S length flange brg.	
1	Rod Set		6-3750P	Std-10-20-30-40	
6	Rod Pair		3750P	Std-1-10-20-30-40	
1	Cam Set		1463M	Std-1 Babbitt material; Full round design	
1	Cam Set		1791M	Std Only O.E. split type design	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump		224-4146A	High Pressure; 5/8" inlet	
5 3.8L 230 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) Marine Applications Models 140 from Ser. No. 1538930 to 1725960 (140 HP); 150 (150 HP)					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Cam Gear		221-2524	From Ser. No. 1666495; Alum.; 54 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
12	Lifter		HT-817	Std Only From Ser. No. 1666495; Hyd.	
12	Lifter, Bulk		HT-817B	Std Only From Ser. No. 1666495; Hyd.; Carton of 128	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
12	Push Rod		RP-3214R	Chrome-Moly; 9.6800" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
12	Arm Assy.		R-832	Incl. arm, ball & nut	
12	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64	
12	Arm		R-832A		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
6	Exhaust		V-1888X	Std-15 Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
6	Intake		V-1927	Std-15 Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
6	Intake, Bulk		V-1927B	Std-15 Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide		VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.	
6	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.	
6	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.	
6	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.	
6	Guide, Bulk		VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.	
6	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.	
6	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber	

(continued on next page)

Mercury Marine

3.8L 230 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) 5				
Marine Applications Models 140 from Ser. No. 1538930 to 1725960 (140 HP); 150 (150 HP) (cont.)				
B L O C K	QTY	VALVE SEAL (cont.)	YEARS	PART NO.
	12	Valve Stem Seal		ST-2001
	12	Valve Stem Seal		MV-1233C
	12	Valve Stem Seal Bulk		MV-1233
	12	Valve Stem Seal Bulk		ST-2001BC
				DESCRIPTION
				Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
				O-Ring; Rubber
				O-Ring; Carton of 100; Rubber
				Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.
	6	Exh.		245-1562-1N Std Only
	6	Exh.		245-1562-1 Std Only
	6	Int.		245-1812-4 Std Only
				DESCRIPTION
				Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
				1.5675" OD, 1.3125" ID, .2160" Depth
				1.8175" OD, 1.5625" ID, .2160" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.
	24	Keeper		VK-115
	24	Keeper		VK-115R
	24	Keeper, Bulk		VK-115B
				DESCRIPTION
				1 groove; Square cut key groove
				1 groove; Square cut key groove; Hardened
				1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.
	6	Cast Piston		1107P + Std-20-30-40-60
				DESCRIPTION
				Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 1107NP
	6	Cast Piston		1107NP * Std-30-40-60
				DESCRIPTION
				Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	6	Pin		P-2208 Std-3-5-0015
B L O C K	QTY	RINGS	YEARS	PART NO.
	1	Premium Set		E-234K Std-20-30-40-60
	1	Standard Set		E-234X Std-20-30-40-60
	6	Premium Single Cylinder Set		WE-234K Std-20-30-40-60
	6	Standard Single Cylinder Set		WE-234X Std-20-30-40-60
				DESCRIPTION
				2-5/64, 1-3/16
				2-5/64, 1-3/16
				2-5/64, 1-3/16
				2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set		4124MA Std-1-10-20-30-40-50-60
				DESCRIPTION
				A-Series aluminum bearings
	1	Rod Set		6-2020CP Std-10-20-30-40
	1	Rod Set		6-2020CA60 60
	6	Rod Pair		2020CP Std-1-2-10-20-30-40-50
	1	Cam Set		1203M Std Only
B L O C K	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump		224-4147
	1	Screen Assy.		224-1347
				DESCRIPTION
				From Ser. No. 1820930 & up
4.1L 250 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) 1981-67 6				
Marine Applications Models 160 (160 HP); 165 from Ser. No. 2770032 to 6916778 (165 HP)				
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.
	1	Gear Set		221-2528S
	1	Crank Gear		221-2527
	1	Cam Gear		221-2524
	1	Cam Gear		221-2526
				DESCRIPTION
				160 & 165 HP; Incl. (1) 221-2526, (1) 221-2527
				160 & 165 HP; 27 Teeth
				140 HP; Alum.; 54 Teeth
				160 & 165 HP; Alum.; 54 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.
	1	Camshaft		CS-1092M
	12	Lifter		HT-817 Std Only
	12	Lifter, Bulk		HT-817B Std Only
	1	Prelube		55-400
				DESCRIPTION
				Hyd.
				Hyd.; Carton of 128
				4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	CAM KIT	YEARS	PART NO.
	1	Cam/Lifter Kit		KC-1092M
				DESCRIPTION
				Incl. (1) CS-1092M, (12) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.
	12	Push Rod		RP-3214R
				DESCRIPTION
				Chrome-Moly; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.
	12	Arm Assy.		R-832
	12	Arm Assy., Bulk		R-832B
	12	Arm		R-832A
				DESCRIPTION
				Incl. arm, ball & nut
				Incl. arm, ball & nut; Carton of 64
V A L V E T R A I N	QTY	VALVE	YEARS	PART NO.
	6	Exhaust		V-1888X Std-15
				DESCRIPTION
				Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	6	Intake		V-1927 Std-15
				DESCRIPTION
				Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	6	Intake, Bulk		V-1927B Std-15
				DESCRIPTION
				Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.
	6	Guide		VG-5005
				DESCRIPTION
				Exh.; .3430" ID, 2.2500" O.A.L.

(continued on next page)

Mercury Marine

6 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) 1981-67 (cont.) Marine Applications Models 160 (160 HP); 165 from Ser. No. 2770032 to 6916778 (165 HP)					
VALVE TRAIN	QTY	VALVE GUIDE (cont.)	YEARS	PART NO.	DESCRIPTION
	6	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	6	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	6	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	6	Guide, Bulk		VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	6	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	6	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	12	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
VALVE TRAIN	12	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	12	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	12	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	6	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	6	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper		VK-115	1 groove; Square cut key groove
	24	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	24	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston		403CP30 30-40-60	160 & 165 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
	6	Cast Piston		403P Std-20-30-40-60-80	160 & 165 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
	6	Cast Piston - Individual		W403CP30 30-40-60	160 & 165 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
	6	Cast Piston - Individual		W403P Std-20-30-40-60-80	160 & 165 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
	6	Pin		P-2208 Std-3-5-0015	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-234K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-234X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	6	Premium Single Cylinder Set		WE-234K Std-20-30-40-60	2-5/64, 1-3/16
	6	Standard Single Cylinder Set		WE-234X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set		6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable
	1	Rod Set		6-2020CA60 60	Unplated & resizeable
	6	Rod Pair		2020CP Std-1-2-10-20-30-40-50	
	1	Cam Set	81-71	1557M Std Only	
	1	Cam Set	70-67	1203M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Oil Pump		224-4147	
	1	Screen Assy.		224-1647	From Ser. No. 3777200 to 4331786
	1	Screen Assy.		224-1347	160 & 165 HP; To Ser. No. 3777199 & from Ser. No. 4331787
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set		260-1508M	140 HP From Ser. No. 1538930 to 1725960; All 150 & 160 HP; 165 HP From Ser. No. 2770032 to 6916778; 200 HP From Ser. No. 2453769 to 2712072; 16 bolt oil pan gskt. not incl.; Standard Rotation
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8006	
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
		160 & 165 HP; From Ser. No. 2770032 to 2963667		MK-6270A	-----
		160 & 165 HP; From Ser. No. 2770032 to 2963667		MKP-6270A	-----
		165 HP; From Ser. No. 2963668		MKP-6270C	-----
		Master w/o Pistons		MK-6270C	-----

Mercury Marine

4.3L 262 OHV V6 (Chevrolet), 4" Bore (GMC Eng.) 7					
Marine Applications Models 4.3 Liter, 4.3L (155 HP); 4.3 Liter, 4.3L (175 HP); 4.3LX (175 HP); 4.3LX (180 HP); 4.3LX (205 HP); 175 (175 HP w/2 Bbl.); 185 (185 HP w/2 Bbl.); 205 (205 HP w/4 Bbl.)					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1049M	O.E. No. 14095789; Standard Rotation
	1	Camshaft		CS-1051M	O.E. No. 14096233; Standard Rotation; Rlr. cam; Use HT-2148 rlr. lifter.
	12	Lifter		HT-817 Std Only	Hyd.
	12	Lifter		HT-2148 Std Only	Hyd. rlr.
	12	Lifter, Bulk		HT-2148B Std Only	Hyd. rlr.; Carton of 128
	12	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston		640P Std-20-30-40-60-80	175 & 205 HP; w/4.3LX, 4.3L Gen II, 4.3LX Gen II Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
BLOCK	6	Cast Piston - Individual		W640P Std-20-30-40-60	175 & 205 HP; w/4.3LX, 4.3L Gen II, 4.3LX Gen II Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	1	Cast Piston Set w/Prem. Rings		6K640P30 30-40-60	175 & 205 HP; w/4.3LX, 4.3L Gen II, 4.3LX Gen II Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	1	Cast Piston Set w/Econ. Rings		6X640P30 30-40-60	175 & 205 HP; w/4.3LX, 4.3L Gen II, 4.3LX Gen II Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-459K Std-20-30-40-60	2-5/64, 1-3/16
	6	Premium Single Cylinder Set		WE-459K Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		5085M Std-1-10-20-30-40	.020" O/S length flange brg.
	1	Main Set		6687M10 10-20-30	A-Series aluminum bearings
	1	Main Set		5085MA Std-1-10-20-30-40	A-Series aluminum bearings; Use in .020" O/S Bore
1	Main Set		7380MA10X20 10X20	A-Series aluminum bearings; Use in .020" O/S Bore	
1	Rod Set		6-1020CP Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
1	Rod Set		6-1020A Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
6	Rod Pair		1020CP Std-.026-.25-.50-.75-1.00MM	A-Series aluminum bearings	
1	Cam Set		1463M Std-1	Exc. Eng.s. w/"T" before the I.D. No. located on front of block; Babbitt material; Full round design	
1	Cam Set		1791M Std Only	Exc. Eng.s. w/"T" before the I.D. No. located on front of block; O.E. split type design	
1	Ball Brg.		106L	Position Front; Bal. shaft front; Ball brg.	
1	Balance Shaft Bearing		3204DR Std Only	Position Rear; Will not replace needle brg. used in early 1992 Eng.s.	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump		224-4146A	High Pressure; 5/8" inlet	
1	Inter. Shaft		224-6146	Use w/nylon shaft guide	
1	Oil Pump Shaft Guide		224-43343	Nylon	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set		260-1509M	Standard Rotation; Eng.s. w/o Balance shaft; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.	
4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 8					
Marine Applications Model 190 (190 HP)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-163S	Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
	1	Timing Chain		222-163	Double rlr.; 58 Links
	1	Crank Sprocket		223-289	Double row; 22 Teeth
	1	Cam Sprocket		223-288	Double row; 44 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-274	Hyd.
	16	Lifter		HT-817 Std Only	Hyd.; Carton of 128
	16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
1	Cam/Lifter Kit		KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod		RP-3093	7.7940" O.A.L.	
16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.	

(continued on next page)

Mercury Marine

8 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) (cont.) Marine Applications Model 190 (190 HP)				
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.
	16	Arm Assy.		R-826
	16	Arm Assy., Bulk		R-826B
	16	Arm		R-826A
	QTY	VALVE	YEARS	PART NO.
	8	Exhaust		V-1888X Std-15
	8	Intake		V-1927 Std-15
	8	Intake, Bulk		V-1927B Std-15
	QTY	VALVE GUIDE	YEARS	PART NO.
	8	Guide		VG-5061
B L O C K	8	Guide		VG-5005
	8	Guide		VG-5005H
	8	Guide		VG-5005T
	8	Guide, Bulk		VG-5005B
	8	Guide, Bulk		VG-5005TB
	QTY	VALVE SEAL	YEARS	PART NO.
	16	Valve Stem Seal		MV-1903
	16	Valve Stem Seal		ST-2001
	16	Valve Stem Seal		MV-1233C
	16	Valve Stem Seal Bulk		MV-1233
	16	Valve Stem Seal Bulk		ST-2001BC
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.
	8	Exh.		245-1562-1N Std Only
	8	Exh.		245-1562-1 Std Only
	8	Int.		245-1812-4 Std Only
	QTY	VALVE, MISC	YEARS	PART NO.
	32	Keeper		VK-115
	32	Keeper		VK-115R
	32	Keeper, Bulk		VK-115B
	8	Rotocap		RC-157S
	QTY	PISTON	YEARS	PART NO.
B L O C K	8	Cast Piston		235P + Std-20-30-40-60
	8	Cast Piston		235NP Std-20-30-40-60
	8	Cast Piston - Individual		W235P + Std-20-30-40-60
	8	Cast Piston - Individual		W235NP Std-20-30-40-60
	8	Powerforged		L-2163F30 30-40-60
	8	Forged Piston - Individual		WL-2163F30 30-40-60
	QTY	RINGS	YEARS	PART NO.
	1	Premium Set		E-245K Std-20-30-40-60
	1	Standard Set		E-245X Std-20-30-40-60-80
	8	Premium Single Cylinder Set		WE-245K Std-30-40-60
	8	Standard Single Cylinder Set		WE-245X Std-20-30-40-60-80
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set		994M Std-1-10-20-30-40
	1	Rod Set		8-2020CP Std-1-10-20-30-40
	8	Rod Pair		2020CP Std-1-2-10-20-30-40-50
	1	Cam Set		1145M Std Only
	1	Cam Set		1235M Std-1-10
	1	Cam Set		1749M Std Only
	1	Cam Set		1750M Std Only
	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump		224-4146
B L O C K	1	Inter. Shaft		224-6146
	1	Oil Pump Shaft Guide		224-43343

(continued on next page)

Mercury Marine

4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 8					
Marine Applications Model 190 (190 HP) (cont.)					
B L O C K	QTY 1	OIL PUMP (cont.) Screen Assy.	YEARS	PART NO. 224-1346	DESCRIPTION 5/8" inlet tube
	QTY 1	GASKETS Kit Gasket Set	YEARS	PART NO. 260-1510M	DESCRIPTION Standard Rotation; Two-piece rear main brg. seal, four-piece oil pan gskt., & rim bolt valve cover gskts. incl.
	QTY 1 1	FREEZE PLUGS Brass Block Plug Kit Steel Block Plug Kit	YEARS	PART NO. 381-8007 381-4011	DESCRIPTION
		OVERHAUL KIT YEARS Standard Rotation			PREMIUM KIT NO. MKP-6271A MK-6271A ECONOMY KIT NO. ----- -----
5.0L 302 OHV V8, 4" Bore (Ford Eng.) 9					
Marine Applications Models 215 (215 HP); 225 (225 HP); 888 (198 HP)					
V A L V E T R A I N	QTY 1	TIMING 3 Piece Set	YEARS	PART NO. KT3-358S	DESCRIPTION From Ser. No. 3108723; w/1 pc. fuel pump ecc.; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
	1	3 Piece Set		KT3-358SA	From Ser. No. 3108723; w/2 pc. fuel pump ecc.; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
	1	Timing Chain		222-358	From Ser. No. 3108723; Silent type; 58 Links
	1	Crank Sprocket		223-431	From Ser. No. 3108723; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
	1	Cam Sprocket		223-406	From Ser. No. 3108723; w/1 pc. fuel pump ecc.; 42 Teeth
	1	Cam Sprocket		223-430	From Ser. No. 3108723; w/2 pc. fuel pump ecc.; Use w/Silent type chain; 42 Teeth
	QTY 1 1	CAMSHAFT/LIFTER Camshaft Camshaft	YEARS	PART NO. CS-1057M CS-674	DESCRIPTION Reverse Rotation Standard Rotation; 215 From Ser. No. 2781153 to Ser. No. 3395720; 888 From Ser. No. 3108723; 225 From Ser. No. 3385721 to Ser. No. 4166999
	1	Camshaft		CS-764	Standard Rotation; 225 & 225S
	16	Lifter		HT-900 Std Only	From Ser. No. 3108723; Hyd.
	16	Lifter		HT-900R Std Only	From Ser. No. 3108723; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk		HT-900B Std Only	From Ser. No. 3108723; Hyd.; Carton of 122
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 1	CAM KIT Cam/Lifter Kit	YEARS	PART NO. KC-1057M	DESCRIPTION Reverse Rotation; 225 & 225S; Incl. (1) CS-1057M, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit		KC-674	Standard Rotation; 215 & 888 w/351W firing order 1-3-7-2-6-5-4-8; Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit		KC-764	Standard Rotation; 225 & 225S w/351W firing order 1-3-7-2-6-5-4-8; Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
	QTY 16	PUSH ROD Push Rod	YEARS	PART NO. RP-3166	DESCRIPTION From Ser. No. 3833160 to 4166999 & from Ser. No. 4615130; Std. length; 8.1420" O.A.L.
	16	Push Rod		RP-3223R	To Ser. No. 3833159 & from Ser. No. 4167000 to 4615129; Chrome-Moly; 6.8850" O.A.L.
	QTY 16	ROCKER PARTS Arm Assy.	YEARS	PART NO. R-847	DESCRIPTION Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy., Bulk		R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	QTY 8	VALVE Exhaust	YEARS	PART NO. V-2044 Std Only	DESCRIPTION From Ser. No. 4167000 to 4615129; Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust		V-1893 Std-15	To Ser. No. 4166999; Chrome plated stem; 1.5400" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk		V-1893B15 15	To Ser. No. 4166999; Chrome plated stem; Carton of 25; 1.5400" Head Dia., .3565" Stem Dia., 5.0700" O.A.L.
	QTY 8 16 8 8	VALVE SPRING Spring Spring Spring Spring, Bulk	YEARS	PART NO. VS-919 VS-1435 VS-1435 VS-919B	DESCRIPTION Exh.; From Ser. No. 4615130; 1.9000" Free Height Exh. & Int.; To Ser. No. 4615129; 1.9650" Free Height Int.; From Ser. No. 4615130; 1.9650" Free Height Exh.; From Ser. No. 4615130; Carton of 300; 1.9000" Free Height

(continued on next page)

Mercury Marine

9 5.0L 302 OHV V8, 4" Bore (Ford Eng.) (cont.) Marine Applications Models 215 (215 HP); 225 (225 HP); 888 (198 HP)				
QTY	VALVE SPRING (cont.)	YEARS	PART NO.	DESCRIPTION
16	Spring, Bulk		VS-1435B	Exh. & Int.; To Ser. No. 4615129; Carton of 250; 1.9650" Free Height
8	Spring, Bulk		VS-1435B	Int.; From Ser. No. 4615130; Carton of 250; 1.9650" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal		MV-1906	Umbrella type; Nylon
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper		VK-115	1 groove; Square cut key groove
32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston		272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual		W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings		8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Econ. Rings		8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Powerforged		L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
8	Forged Piston - Individual		WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		7151M10 10-20-30	.020" O/S length flange brg.
1	Main Set		4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
1	Main Set		4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
1	Rod Set		8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Rod Set		8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
1	Rod Set		8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
1	Rod Set		8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
1	Rod Set		8-2600CA60 60	Unplated & resizeable
8	Rod Pair		2600CP Std-1-2-10-20-30-40	
8	Rod Pair		2600A Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set		1204M Std-10	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-41118	
1	Inter. Shaft		224-61118	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit		381-8015	
10 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.) Marine Applications Models 5.0L (180 HP); 5.0L (190 HP); 5.0L (200 HP); 5.0LX (205 HP); 5.0LX (230 HP); 198/898 (198 HP); 200, 200/5.0L (200 HP); 228 (228 HP); 230, 230/5.0L, 230/5.0LX (230 HP)				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set		KT3-163S	Standard Rotation; From Ser. No. 4765100; Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
1	3 Piece Set		KT3-4SR46	Standard Rotation; From Ser. No. 4765100; Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) 222-4SR46, (1) 223-634, (1) 223-645

(continued on next page)

Mercury Marine

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.) 10

Marine Applications Models 5.0L (180 HP); 5.0L (190 HP); 5.0L (200 HP); 5.0LX (205 HP); 5.0LX (230 HP); 198/898 (198 HP); 200, 200/5.0L (200 HP); 228 (228 HP); 230, 230/5.0L, 230/5.0LX (230 HP) (cont.)

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain		222-163	Standard Rotation; From Ser. No. 4765100; Double rlr.; 58 Links
	1	Timing Chain		222-4SR46	Standard Rotation; From Ser. No. 4765100; Use w/.280" tooth width sprocket; 46 Links
	1	Crank Sprocket		223-645	Standard Rotation; From Ser. No. 4765100; .280" tooth width sprocket; 18 Teeth
	1	Crank Sprocket		223-289	Standard Rotation; From Ser. No. 4765100; Double row; 22 Teeth
	1	Cam Sprocket		223-288	Standard Rotation; From Ser. No. 4765100; Double row; 44 Teeth
	1	Cam Sprocket		223-634	Standard Rotation; From Ser. No. 4765100; Single row; .280" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1043M	Standard Rotation
	16	Lifter		HT-817 Std Only	From Ser. No. 4765100; Hyd.
	16	Lifter, Bulk		HT-817B Std Only	From Ser. No. 4765100; Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit		KC-1043M	Standard Rotation; Incl. (1) CS-1043M, (16) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.		R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm		R-826A	
	16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust		V-1888X Std-15	1st design; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust		V-1904 Std-3-15-30	1st design; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust		V-1988X Std-3-15	2nd design; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Exhaust, Bulk		V-1904B Std-15	1st design; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk		V-1988XB Std-15	2nd design; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.
	8	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide		VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5046	Exh.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk		VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-727	Exh.; 1st design; Valve guide height is .75"; Incl. damper; 1.9100" Free Height
	16	Spring		VS-677	Exh. & Int.; 1st design; Valve guide height is .75"; Incl. damper; 2.0300" Free Height
	16	Spring		VS-677	Exh. & Int.; 2nd design; Valve guide height is .84"; Incl. damper; 2.0300" Free Height
	8	Spring, Bulk		VS-727B	Exh.; 1st design; Valve guide height is .75"; Incl. damper; Carton of 250; 1.9100" Free Height
	16	Spring, Bulk		VS-677B	Exh. & Int.; 1st design; Valve guide height is .75"; Incl. damper; Carton of 250; 2.0300" Free Height
	16	Spring, Bulk		VS-677B	Exh. & Int.; 2nd design; Valve guide height is .84"; Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; w/.371" stem dia.; Positive type; Rubber
	8	Valve Stem Seal		ST-2001	Exh.; Use w/O.E. guide w/.343" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber

(continued on next page)

Mercury Marine

10 5.0L 305 OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.)

(cont.) **Marine Applications** Models 5.0L (180 HP); 5.0L (190 HP); 5.0L (200 HP); 5.0LX (205 HP); 5.0LX (230 HP); 198/898 (198 HP); 200, 200/5.0L (200 HP); 228 (228 HP); 230, 230/5.0L, 230/5.0LX (230 HP)

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
8	Valve Stem Seal Bulk		ST-2001BC	Exh.; Use w/O.E. guide w/.371" valve stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper		VK-115	1 groove; Square cut key groove
32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap		RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston		H826CP30 30	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Recessed Head .140" deep x 2.830" dia. w/4 valve reliefs; DurOshield® skirt coated piston
8	Cast Piston		536NCP20 20-30-40-60	200/5.0L, 230/5.0LX & 230/5.0L MIE Engs.; Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
8	Cast Piston		536NP Std-20-30-40-60	200/5.0L, 230/5.0LX & 230/5.0L MIE Engs.; Cast; Use w/E-356K, E-356KC or E-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
8	Cast Piston		454NP Std-20-30-40-60	200, 228, 230, 898 & 989/198; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
8	Cast Piston - Individual		W536NP Std-20-30-40-60	200/5.0L, 230/5.0LX & 230/5.0L MIE Engs.; Cast; Use w/WE-356K or WE-356X ring set; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
8	Cast Piston - Individual		W454NP Std-20-30-40-60	200, 228, 230, 898 & 989/198; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
1	Cast Piston Set w/Prem. Rings		8K536NCP20 20-30-40-60	200/5.0L, 230/5.0LX & 230/5.0L MIE Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.; DurOshield® skirt coated piston
1	Cast Piston Set w/Prem. Rings		8K454NP30 30-40-60	200, 228, 230, 898 & 989/198; Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
1	Cast Piston Set w/Econ. Rings		8X536NP20 20-30-40	200/5.0L, 230/5.0LX & 230/5.0L MIE Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .062" deep x 3.130" dia.
1	Cast Piston Set w/Econ. Rings		8X454NP20 20-30-40-60	200, 228, 230, 898 & 989/198; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-356K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set		E-356KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-356X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-356K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-356X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
1	Main Set		6688M10 10-20-30	A-Series aluminum bearings
1	Main Set		4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings ; .010" O/S length flange brg.
1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings ; w/.020" O/S OD
1	Main Set		7274MA10X20 10X20	A-Series aluminum bearings
1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings ; Use in .002" O/S Rod Bore
1	Rod Set		8-2555A10X2 10X2-20X2-30X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
1	Rod Set		8-2555CP10X2 10X2-20X2-40X2	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	

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Mercury Marine

5.0L 305 OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.) 10					
Marine Applications Models 5.0L (180 HP); 5.0L (190 HP); 5.0L (200 HP); 5.0LX (205 HP); 5.0LX (230 HP); 198/898 (198 HP); 200, 200/5.0L (200 HP); 228 (228 HP); 230, 230/5.0L, 230/5.0LX (230 HP)					
BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rod Set		8-2555CA60 60	Unplated & resizeable
	8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair		2555CA60 60	Unplated & resizeable
	1	Cam Set		1235M Std-1-10	Babbitt material; Full round design
	1	Cam Set		1749M Std Only	Bi-Metal Aluminum
	1	Cam Set		1750M Std Only	2.030" housing bore
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4146A	High Pressure; 5/8" inlet
1	Screen Assy.		224-1146	5/8" inlet	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit		381-8059		
5.3L 327 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 1969-63 11					
Marine Applications Models 225 (225 HP); 250 (250 HP)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-163S	Standard Rotation; Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
	1	3 Piece Set		KT3-4SR46	Standard Rotation; Incl. single rlr. type chain; .280" tooth width sprocket; Incl. (1) 222-4SR46, (1) 223-634, (1) 223-645
	1	Timing Chain		222-163	Standard Rotation; Double rlr.; 58 Links
	1	Timing Chain		222-4SR46	Standard Rotation; Use w/.280" tooth width sprocket; 46 Links
	1	Crank Sprocket		223-645	Standard Rotation; .280" tooth width sprocket; 18 Teeth
	1	Crank Sprocket		223-289	Standard Rotation; Double row; 22 Teeth
	1	Cam Sprocket		223-288	Standard Rotation; Double row; 44 Teeth
	1	Cam Sprocket		223-634	Standard Rotation; Single row; .280" tooth width sprocket; 36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-274	Standard Rotation	
16	Lifter		HT-817 Std Only	Hyd.	
16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128	
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
1	Cam/Lifter Kit		KC-274	Standard Rotation; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		H951P30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Recessed Head .065" deep x 3.200" dia. w/2 valve reliefs
	8	Cast Piston - Individual		WH951P30 30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Recessed Head .065" deep x 3.200" dia. w/2 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	69-68	4663M Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
1	Main Set	69-68	4663MA Std-1-2-10-20-30-40-60		
1	Main Set	67-63	994M Std-1-10-20-30-40	.020" O/S length flange brg.	
1	Main Set		6688M10 10-20-30		
1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.	
1	Rod Set	69-68	8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set	69-68	8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
1	Rod Set	69-68	8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
1	Rod Set	67-63	8-2020CP Std-1-10-20-30-40		

(continued on next page)

Mercury Marine

11 5.3L 327 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 1969-63 (cont.) Marine Applications Models 225 (225 HP); 250 (250 HP)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Rod Set	69-68	8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair	69-68	2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair	69-68	2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair	67-63	2020CP Std-1-2-10-20-30-40-50		
	8	Rod Pair	69-68	2555CA60 60	Unplated & resizeable	
	1	Cam Set		1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set		1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set		1750M Std Only	2.030" housing bore	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump		224-4146	5/8" inlet	
	1	Inter. Shaft		224-6146	Use w/nylon shaft guide	
	1	Oil Pump Shaft Guide		224-43343	Nylon	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set		260-1510M	Standard Rotation; Two-piece rear main brg. seal, four-piece oil pan gskt., & rim bolt valve cover gskts. incl.	

12 5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) Marine Applications Models Black Scorpion (315 HP); 5.7L (230 HP); 5.7L (235 HP); 5.7L (260 HP); 5.7L Blue Water Inboard (250 HP); 5.7L Blue Water Inboard (260 HP); 5.7L Bravo (240 HP); 5.7L Bravo (250 HP); 5.7L Bravo (270 HP); 5.7L Comp Ski (250 HP); 5.7L Comp Ski (260 HP); 255 (255 HP); 260, 260/5.7L (260 HP); 270 (270 HP); 280 (280 HP); 300, 300 MR/TR (300 HP); 350 Magnum, 350 Magnum Tournament Ski (240 HP); 350 Magnum, 350 Magnum Tournament Ski (250 HP); 350 Magnum, 350 Magnum Tournament Ski (265 HP); 350 Magnum, 350 Magnum Tournament Ski (270 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set		KT3-163S	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289	
	1	Timing Chain		222-163	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Double rlr.; 58 Links	
	1	Crank Sprocket		223-289	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Double row; 22 Teeth	
	1	Cam Sprocket		223-288	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Double row; 44 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft		CS-1043M	Standard Rotation; Flat lifter; Exc. 270, 280, 300 & 320EFI	
	1	Camshaft		CS-274	Standard Rotation; Flat lifter; 270	
	16	Lifter		HT-2148 Std Only	Hyd. rlr.	
	16	Lifter		HT-817 Std Only	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Hyd.	
	16	Lifter, Bulk		HT-2148B Std Only	Hyd. rlr.; Carton of 128	
	16	Lifter, Bulk		HT-817B Std Only	250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4175500; Hyd.; Carton of 128	
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit		KC-1043M	Standard Rotation; 250 HP From Ser. No. 4768000; 255 HP From Ser. No. 4768000; Incl. (1) CS-1043M, (16) HT-817, (1) 55-403B	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	16	Push Rod		RP-3093	7.7940" O.A.L.	
	16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	16	Arm Assy.		R-826	Incl. arm, ball & nut	
	16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64	
	16	Arm		R-826A		
	16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
	16	Stud		MR-1949	3/8" x 24 x 2.495"	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust		V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
	8	Intake		V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.	
	8	Intake, Bulk		V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.	

(continued on next page)

Mercury Marine

5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 12

Marine Applications Models Black Scorpion (315 HP); 5.7L (230 HP); 5.7L (235 HP); 5.7L (260 HP); 5.7L Blue Water Inboard (250 HP); 5.7L Blue Water Inboard (260 HP); 5.7L Bravo (240 HP); 5.7L Bravo (250 HP); 5.7L Bravo (270 HP); 5.7L Comp Ski (250 HP); 5.7L Comp Ski (260 HP); 255 (255 HP); 260, 260/5.7L (260 HP); 270 (270 HP); 280 (280 HP); 300, 300 MR/TR (300 HP); 350 Magnum, 350 Magnum Tournament Ski (240 HP); 350 Magnum, 350 Magnum Tournament Ski (250 HP); 350 Magnum, 350 Magnum Tournament Ski (265 HP); 350 Magnum, 350 Magnum Tournament Ski (270 HP)

VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide		VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide		VG-5046	Int.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
VALVE TRAIN	8	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-727	Exh.; Incl. damper; 1.9100" Free Height
	8	Spring		VS-677	Int.; Incl. damper; 2.0300" Free Height
	8	Spring, Bulk		VS-727B	Exh.; Incl. damper; Carton of 250; 1.9100" Free Height
	8	Spring, Bulk		VS-677B	Int.; Incl. damper; Carton of 250; 2.0300" Free Height
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-115	1 groove; Square cut key groove
	32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
BLOCK	32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	8	Rotocap		RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
	8	Cast Piston		H423NCP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston		H423NP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
	8	Cast Piston		H345NCP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston		H345NP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston		423NP Std-20-30-40-60-80	250, 255, 260, 260 HP w/5.7L, 5.7L Alpha EFI, 5.7L Bravo, 5.7L Bravo EFI, 350 Mag Alpha, 350 Mag Bravo, 260 MIE, 260 HP/5.7L MIE, 5.7L MIE, 5.7L SKI Eng's.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	8	Cast Piston - Individual		W345NP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
	8	Cast Piston - Individual		WH423NP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
	8	Cast Piston - Individual		WH345NCP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston - Individual		WH345NP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs

(continued on next page)

Mercury Marine

12 5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.)

(cont.) **Marine Applications** Models Black Scorpion (315 HP); 5.7L (230 HP); 5.7L (235 HP); 5.7L (260 HP); 5.7L Blue Water Inboard (250 HP); 5.7L Blue Water Inboard (260 HP); 5.7L Bravo (240 HP); 5.7L Bravo (250 HP); 5.7L Bravo (270 HP); 5.7L Comp Ski (250 HP); 5.7L Comp Ski (260 HP); 255 (255 HP); 260, 260/5.7L (260 HP); 270 (270 HP); 280 (280 HP); 300, 300 MR/TR (300 HP); 350 Magnum, 350 Magnum Tournament Ski (240 HP); 350 Magnum, 350 Magnum Tournament Ski (250 HP); 350 Magnum, 350 Magnum Tournament Ski (265 HP); 350 Magnum, 350 Magnum Tournament Ski (270 HP)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston - Individual		W423NP Std-20-30-40-60-80	250, 255, 260, 260 HP w/5.7L, 5.7L Alpha EFI, 5.7L Bravo, 5.7L Bravo EFI, 350 Mag Alpha, 350 Mag Bravo, 260 MIE, 260 HP/5.7L MIE, 5.7L MIE, 5.7L SKI Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	1	Cast Piston Set w/Prem. Rings		8KH423NCP30 30-40-60	Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8KH345NCP30 30-40-60	Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8KH423NP Std-20-30-40-60	Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .100" deep x 2.750" dia. w/4 valve reliefs
	1	Cast Piston Set w/Prem. Rings		8KH345NP30 30-40-60	Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	1	Cast Piston Set w/Econ. Rings		8X345NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
	1	Cast Piston Set w/Econ. Rings		8X423NP20 20-30-40-60	250, 255, 260, 260 HP w/5.7L, 5.7L Alpha EFI, 5.7L Bravo, 5.7L Bravo EFI, 350 Mag Alpha, 350 Mag Bravo, 260 MIE, 260 HP/5.7L MIE, 5.7L MIE, 5.7L SKI Eng.s.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .067" deep x 3.160" dia. - 8.4:1 C.R.
	8	Powerforged		L-2256F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Powerforged		L-2403NF Std-20-30-40-60	250, 255, 260 & 260 HP w/5.7L, 5.7L Alpha EFI, 5.7L Bravo, 5.7L Bravo EFI, 350 Mag Alpha, 350 Mag Bravo, 260 MIE, 260/5.7L MIE, 5.7L MIE, 5.7L SKI Eng.s.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
BLOCK	8	Forged Piston - Individual		WL-2256F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual		WL-2403NF Std-20-30-40-60	250, 255, 260 & 260 HP w/5.7L, 5.7L Alpha EFI, 5.7L Bravo, 5.7L Bravo EFI, 350 Mag Alpha, 350 Mag Bravo, 260 MIE, 260/5.7L MIE, 5.7L MIE, 5.7L SKI Eng.s.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.562" CD, .9275" Pin Dia., Recessed Head .068" deep. DurOshield® skirt coated piston.
	1	Forged Piston Set w/Rings		8KL2256F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
	1	Main Set		6688M10 10-20-30	A-Series aluminum bearings
	1	Main Set		4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S OD
	1	Main Set		7274MA10X20 10X20	A-Series aluminum bearings
	1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set		8-2555CP10X2 10X2-20X2-40X2	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
	1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	

(continued on next page)

Mercury Marine

5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 12

Marine Applications Models Black Scorpion (315 HP); 5.7L (230 HP); 5.7L (235 HP); 5.7L (260 HP); 5.7L Blue Water Inboard (250 HP); 5.7L Blue Water Inboard (260 HP); 5.7L Bravo (240 HP); 5.7L Bravo (250 HP); 5.7L Bravo (270 HP); 5.7L Comp Ski (250 HP); 5.7L Comp Ski (260 HP); 255 (255 HP); 260, 260/5.7L (260 HP); 270 (270 HP); 280 (280 HP); 300, 300 MR/TR (300 HP); 350 Magnum, 350 Magnum Tournament Ski (240 HP); 350 Magnum, 350 Magnum Tournament Ski (250 HP); 350 Magnum, 350 Magnum Tournament Ski (265 HP); 350 Magnum, 350 Magnum Tournament Ski (270 HP)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	(cont.)				
	1	Rod Set		8-2555CA60 60	Unplated & resizeable
	8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair		2555CA60 60	Unplated & resizeable
	1	Cam Set		1235M Std-1-10	Babbitt material; Full round design
	1	Cam Set		1749M Std Only	Bi-Metal Aluminum
	1	Cam Set		1750M Std Only	2.030" housing bore
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4146A	High Pressure; 5/8" inlet
	1	Screen Assy.		224-1146	5/8" inlet
BLOCK	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set		260-1517M	Reverse Rotation; One-piece rear main brg. seal, one-piece oil pan gskt. & both rim bolt & center bolt valve cover gskts. incl.
	1	Kit Gasket Set		260-1516M	Standard Rotation; One-piece rear main brg. seal, one-piece oil pan gskt., & both rim bolt & center bolt valve cover gskts. incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8007	
	1	Steel Block Plug Kit		381-4011	

5.8L 351 OHV V8 (Windsor), 4" Bore (Ford Eng.) 13

Marine Applications Models 233 from Ser. No. 3258728 to 4175499 (233 HP); 255 from Ser. No. 3258728 to 4175499 (255 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-358SA	From Ser. No. 3258728 to 4175499; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
	1	Timing Chain		222-358	From Ser. No. 3258728 to 4175499; Silent type; 58 Links
	1	Crank Sprocket		223-431	From Ser. No. 3258728 to 4175499; If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
	1	Cam Sprocket		223-430	From Ser. No. 3258728 to 4175499; Use w/Silent type chain; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1057M	Reverse Rotation; Firing order 1-8-4-5-6-2-7-3
	1	Camshaft		CS-764	Standard Rotation
	1	Performance Cam		CS-1067R	Standard Rotation; Use 351W firing order 1-3-7-2-6-5-4-8; Pro-2000 Perf. Cam; Hyd.; Duration at .050: 206 Int., 221 Exh.; Valve lift .4440" Int., .4520" Exh.; Lobe Separation 115 Degrees
	16	Lifter		HT-900 Std Only	From Ser. No. 3258728 to 4175499; Hyd.
VALVE TRAIN	16	Lifter		HT-900R Std Only	From Ser. No. 3258728 to 4175499; Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter, Bulk		HT-900B Std Only	From Ser. No. 3258728 to 4175499; Hyd.; Carton of 122 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube		55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit		KC-1057M	Reverse Rotation; Incl. (1) CS-1057M, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit		KC-764	Standard Rotation; Hyd.; Incl. (1) CS-764, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit		KC-1067R	Standard Rotation; Use 351W firing order 1-3-7-2-6-5-4-8; Pro-2000 Perf. Cam; Incl. (1) CS-1067R, (16) HT-900, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3166	Std. length; 8.1420" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.		R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut

(continued on next page)

Mercury Marine

13 5.8L 351 OHV V8 (Windsor), 4" Bore (Ford Eng.)

(cont.) **Marine Applications** Models 233 from Ser. No. 3258728 to 4175499 (233 HP); 255 from Ser. No. 3258728 to 4175499 (255 HP)

V A L V E T R A I N	QTY 16	ROCKER PARTS (cont.) Arm Assy., Bulk	YEARS	PART NO. R-847B	DESCRIPTION Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	QTY 8	VALVE Exhaust	YEARS	PART NO. V-1893 Std-15	DESCRIPTION Chrome plated stem; 1.5400" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk		V-1893B15 15	Chrome plated stem; Carton of 25; 1.5400" Head Dia., .3565" Stem Dia., 5.0700" O.A.L.
	QTY 16	VALVE GUIDE Guide	YEARS	PART NO. VG-5005	DESCRIPTION .3430" ID, 2.2500" O.A.L.
	16	Guide		VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide		VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY 16	VALVE SPRING Spring	YEARS	PART NO. VS-1435	DESCRIPTION 1.9650" Free Height
	16	Spring, Bulk		VS-1435B	Carton of 250; 1.9650" Free Height
B L O C K	QTY 16	VALVE SEAL Valve Stem Seal	YEARS	PART NO. MV-1903	DESCRIPTION Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1906	Umbrella type; Nylon
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY 8	VALVE SEAT Exh.	YEARS	PART NO. 245-1625-1 Std Only	DESCRIPTION 1.6300" OD, 1.3750" ID, .2160" Depth
	QTY 32	VALVE, MISC Keeper	YEARS	PART NO. VK-115	DESCRIPTION 1 groove; Square cut key groove
	32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY 8	PISTON Cast Piston	YEARS	PART NO. 463P Std-20-30-40-60	DESCRIPTION 233 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	8	Cast Piston - Individual		W463P Std-20-30-40-60	233 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
B L O C K	1	Cast Piston Set w/Prem. Rings		8K463P30 20-30-40-60	233 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	1	Cast Piston Set w/Econ. Rings		8X463P30 30-40-60	233 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R.
	QTY 1	RINGS Premium Set	YEARS	PART NO. E-251K Std-10-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY 1	ENGINE BEARINGS Main Set	YEARS	PART NO. 5107M Std-1-10-20-30-40	DESCRIPTION
	1	Rod Set		8-3380CPA Std-1-10-20-30-40	
B L O C K	1	Rod Set		8-3380A Std-1-10-20-30-40	A-Series aluminum bearings
	1	Rod Set		8-3380A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set		8-3380CPA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
	8	Rod Pair		3380CPA Std-1-10-20-30-40	
	8	Rod Pair		3380A Std-1-10-20-30-40	A-Series aluminum bearings
	1	Cam Set		1204M Std-10	Babbitt material; Full round design
	QTY 1	OIL PUMP Oil Pump	YEARS	PART NO. 224-41143	DESCRIPTION
	1	Screen Assy.		224-11143	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS	PART NO. 381-8015	DESCRIPTION
	1				

Mercury Marine

7.0L 427 OHV V8 (Chevrolet), 4.25" Bore (GMC Eng.) 14 Marine Applications Model 325 (325 HP)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Gear Set		221-2532S	Reverse Rotation; 221-2530 & 221-2531 not sold separately; Incl. (1) 221-2530, (1) 221-2531
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-1045M	Reverse Rotation
1	Camshaft		CS-1093M	Standard Rotation
16	Lifter		HT-817 Std Only	Hyd.
16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit		KC-1045M	Reverse Rotation; Incl. (1) CS-1045M, (16) HT-817, (1) 55-403B
1	Cam/Lifter Kit		KC-1093M	Standard Rotation; Chain driven; Incl. (1) CS-1093M, (16) HT-817, (1) 55-403B
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-233K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-233X Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-233K Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-233X Std-20-30-40-60	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Main Set		7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.
1	Rod Set		8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
8	Rod Pair		3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Cam Set		1404M Std Only	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-4154	
1	Oil Pump		224-4154G	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set		260-1519M	Reverse Rotation; Incl. oval port int. manifold gsks.
1	Kit Gasket Set		260-1518M	Standard Rotation; Incl. oval port int. manifold gsks.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit		381-8009	

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore (GMC Eng.) 15

Marine Applications Models HP420 (420 HP Gen. IV & Gen. V); HP425 (385 HP Gen. IV & Gen. V); HP425 (400 HP Gen. IV & Gen. V); HP425 (425 HP Gen. IV & Gen. V); HP 525 SC (500 HP Gen. V); 7.4L Blue Water Inboard to Ser. No. D715493 (310 HP & 340 HP Gen. IV); 7.4L Blue Water Inboard from Ser. No. D715494 (310 HP Gen. V); 7.4L Bravo to Ser. No. D603117 (300 HP & 330 HP Gen. IV); 7.4L Bravo I from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo II from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo III from Ser. No. D603118 (350 HP Gen. V); 7.4L EFI Inboard from Ser. No. F215800 (310 HP Gen. V); 330 (330 HP Gen. IV); 340 (340 HP Gen. IV); 350 (350 HP Gen. IV); 370 TRS (370 HP Gen. IV); 400 TRS (400 HP Gen. IV); 450 (450 HP Gen. V); 454 Magnum Alpha from Ser. No. A631894 to B785148 (330 HP Gen. IV); 454 Magnum Bravo from Ser. No. B721206 to D805068 (350 HP & 365 HP Gen. IV); 454 Magnum Bravo from Ser. No. D805069 (350 HP Gen. V)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set		KT3-501SA	Standard Rotation; 330 From Ser. No. 4623115; Bravo From Ser. No. 0B771113 to 0D603117; Mag Alpha From Ser. No. 0A631 to 0B785148; 330MIE From Ser. No. 4623115 to 5889913; 340MIE From Ser. No. 5889914 to 0D715493; MIE w/Hurth From Ser. No. 0C391564 to 0D71593; 350MIE From Ser. No. 3780450 to 4623109; Incl. silent type chain; Incl. (1) 222-501, (1) 223-392, (1) 223-393
1	Timing Chain		222-168	Double rlr.; 66 Links
1	Timing Chain		222-501	Silent type; 50 Links
1	Crank Sprocket		223-393	19 Teeth
1	Crank Sprocket		223-395	25 Teeth
1	Cam Sprocket		223-392	38 Teeth
1	Cam Sprocket		223-394	50 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-1045M	Reverse Rotation; 330MIE, 340MIE B-W, 350MIE; Gear drive cam; Firing order 1-2-7-5-6-3-4-8

(continued on next page)

Mercury Marine

15 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore (GMC Eng.)

(cont.) **Marine Applications** Models HP420 (420 HP Gen. IV & Gen. V); HP425 (385 HP Gen. IV & Gen. V); HP425 (400 HP Gen. IV & Gen. V); HP425 (425 HP Gen. IV & Gen. V); HP 525 SC (500 HP Gen. V); 7.4L Blue Water Inboard to Ser. No. D715493 (310 HP & 340 HP Gen. IV); 7.4L Blue Water Inboard from Ser. No. D715494 (310 HP Gen. V); 7.4L Bravo to Ser. No. D603117 (300 HP & 330 HP Gen. IV); 7.4L Bravo I from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo II from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo III from Ser. No. D603118 (350 HP Gen. V); 7.4L EFI Inboard from Ser. No. F215800 (310 HP Gen. V); 330 (330 HP Gen. IV); 340 (340 HP Gen. IV); 350 (350 HP Gen. IV); 370 TRS (370 HP Gen. IV); 400 TRS (400 HP Gen. IV); 450 (450 HP Gen. V); 454 Magnum Alpha from Ser. No. A631894 to B785148 (330 HP Gen. IV); 454 Magnum Bravo from Ser. No. B721206 to D805068 (350 HP & 365 HP Gen. IV); 454 Magnum Bravo from Ser. No. D805069 (350 HP Gen. V)

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-1047M	Standard Rotation; EFI (Gen V), EFI SKI, Mag Bravo Mag Bravo (Gen V)
	1	Camshaft		CS-1093M	Standard Rotation; 330, 330MIE, 340MIE, 350MIE, Bravo, Bravo Gen V, Mag Alpha, MIE EFI Gen V, MIE Gen V, MIE w/Hurth Eng.
	16	Lifter		HT-969 Std Only	EFI Gen V, EFI SKI, Mag Bravo, Mag Bravo Gen V; Hyd.; w/.440" wide oil groove
	16	Lifter		HT-817 Std Only	330, 330MIE, 340MIE w/B-W, 350MIE, 370TRS, Bravo, Mag Alpha & MIE w/Hurth; Hyd.
	16	Lifter, Bulk		HT-969B Std Only	EFI Gen V, EFI SKI, Mag Bravo, Mag Bravo Gen V; Hyd.; Carton of 128
	16	Lifter, Bulk		HT-817B Std Only	330, 330MIE, 340MIE w/B-W, 350MIE, 370TRS, Bravo, Mag Alpha & MIE w/Hurth; Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit		KC-1045M	Reverse Rotation; 330 MIE, 340/7.4L MIE & 350 MIE; Gear drive cam; Firing order 1-2-7-5-6-3-4-8; Incl. (1) CS-1045M, (16) HT-817, (1) 55-403B
V A L V E T R A I N	1	Cam/Lifter Kit		KC-1093M	Standard Rotation; 330, 7.4L Bravo, 7.4L Bravo Gen V, 454 Mag Alpha, 7.4L EFI MIE Gen V, 330 Gen V, 454 Mag Alpha, 7.4L EFI MIE Gen V, 330 MIE & 350 MIE Eng.; Incl. (1) CS-1093M, (16) HT-817, (1) 55-403B
	1	Cam/Lifter Kit		KC-1047M	Standard Rotation; 454 Mag Bravo, 454 Mag Bravo (Gen V), 454 EFI (Gen V) & 454 EFI SKI; Incl. (1) CS-1047M, (16) HT-817, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.		R-851	Incl. arm, ball & nut
	16	Arm Assy., Bulk		R-851B	Incl. arm, ball & nut; Carton of 64
	16	Arm		R-851A	
	16	Pivot Ball		MR-1815	
	16	Nut		MR-1813	7/16" thread
	16	Stud		MR-1910RS	7/16" thread, 1.955" length, .710" depth
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	8	Exhaust		V-1989X Std-15	Chrome plated stem; Inconel; 1.7200" Head Dia., .3716" Stem Dia., 5.3550" O.A.L.
	8	Exhaust, Bulk		V-1989XB 15	Chrome plated stem; Inconel; Carton of 25; 1.7200" Head Dia., .3866" Stem Dia., 5.3550" O.A.L.
	8	Intake		V-1905 Std Only	From Ser. No. 4501641 to 4623114; Chrome plated stem; 2.1890" Head Dia., .3720" Stem Dia., 5.2280" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide		VG-688	Exh.; .3740" ID, 2.6300" O.A.L.
	8	Guide		VG-689	Int.; .3735" ID, 2.4200" O.A.L.
	8	Guide, Bulk		VG-688B	Exh.; Carton of 50; .3740" ID, 2.6300" O.A.L.
	8	Guide, Bulk		VG-689B	Int.; Carton of 50; .3735" ID, 2.4200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring		VS-671	From Ser. No. 4623115; 2.0500" Free Height
V A L V E T R A I N	16	Spring, Bulk		VS-671B	From Ser. No. 4623115; Carton of 150; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1769C	Umbrella type; Polyacrylate
	16	Valve Stem Seal Bulk		MV-1769	Umbrella type; Carton of 100; Polyacrylate
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-138	1 groove; Square cut key groove
	32	Keeper		VK-138R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk		VK-138B	1 groove; Square cut key groove; Carton of 1000

(continued on next page)

7.4L 454 OHV V8 (Chevrolet), 4.25" Bore (GMC Eng.) 15

(cont.)

Marine Applications Models HP420 (420 HP Gen. IV & Gen. V); HP425 (385 HP Gen. IV & Gen. V); HP425 (400 HP Gen. IV & Gen. V); HP425 (425 HP Gen. IV & Gen. V); HP 525 SC (500 HP Gen. V); 7.4L Blue Water Inboard to Ser. No. D715493 (310 HP & 340 HP Gen. IV); 7.4L Blue Water Inboard from Ser. No. D715494 (310 HP Gen. V); 7.4L Bravo to Ser. No. D603117 (300 HP & 330 HP Gen. IV); 7.4L Bravo I from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo II from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo III from Ser. No. D603118 (350 HP Gen. V); 7.4L EFI Inboard from Ser. No. F215800 (310 HP Gen. V); 330 (330 HP Gen. IV); 340 (340 HP Gen. IV); 350 (350 HP Gen. IV); 370 TRS (370 HP Gen. IV); 400 TRS (400 HP Gen. IV); 450 (450 HP Gen. V); 454 Magnum Alpha from Ser. No. A631894 to B785148 (330 HP Gen. IV); 454 Magnum Bravo from Ser. No. B721206 to D805068 (350 HP & 365 HP Gen. IV); 454 Magnum Bravo from Ser. No. D805069 (350 HP Gen. V)

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		H661CP Std-20-30-40-60-100	330, 330 MIE, 340/7.4L MIE, 7.4L Bravo, 7.4L MIE w/Hurth, 7.4L Bravo, 454 Mag Alpha. All Exc. GEN V Engs.; Use in sets only; Hypereutectic; Use w/E-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	8	Cast Piston - Individual		WH661CP Std-20-30-40-60-100	330, 330 MIE, 340/7.4L MIE, 7.4L Bravo, 7.4L MIE w/Hurth, 7.4L Bravo, 454 Mag Alpha. All Exc. GEN V Engs.; Use in sets only; Hypereutectic; Use w/WE-424K 30 ring set; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; Use E424K30 ring set for H661CP100; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8KH661CP30 30-40-60	330, 330 MIE, 340/7.4L MIE, 7.4L Bravo, 7.4L MIE w/Hurth, 7.4L Bravo, 454 Mag Alpha. All Exc. GEN V Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9893" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
	8	Powerforged		L-2377F Std-20-30-40-60	330, 330 MIE, 340/7.4L MIE, 7.4L Bravo, 7.4L MIE w/Hurth, 7.4L Bravo, 454 Mag Alpha. All Exc. GEN V Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
	8	Powerforged		L-2399F Std-30-40-60	350, 370 TRS, 400 TRS, 420, 425, 440 TRS, 454 Mag Bravo; Exc. GEN V Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .095" high. DurOshield® skirt coated piston.
	8	Powerforged		L-2453F Std-30-60	525SC Engs.; Exc. GEN V; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9897" Pin Dia., Recessed Head .065" deep "D" shaped cup w/1 valve relief. DurOshield® skirt coated piston.
	8	Forged Piston - Individual		WL-2377F Std-20-30-40-60	330, 330 MIE, 340/7.4L MIE, 7.4L Bravo, 7.4L MIE w/Hurth, 7.4L Bravo, 454 Mag Alpha. All Exc. GEN V Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9894" Pin Dia., Flat Head w/2 valve reliefs .180" wide x 45 degree top land chamfer. DurOshield® skirt coated piston.
	8	Forged Piston - Individual		WL-2399F Std-30-40-60	350, 370 TRS, 400 TRS, 420, 425, 440 TRS, 454 Mag Bravo; Exc. GEN V Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.645" CD, .9894" Pin Dia., Domed Head .095" high.
	8	Forged Piston - Individual		WL-2453F Std-30-60	525SC Engs.; Exc. GEN V; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9897" Pin Dia., Recessed Head .065" deep "D" shaped cup w/1 valve relief. DurOshield® skirt coated piston.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-233K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-233X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-233K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-233X Std-20-30-40-60	2-5/64, 1-3/16
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Main Set		7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Main Set		7273M Std-20	Full grooved
	1	Rod Set		8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	8	Rod Pair		3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Cam Set		1404M Std Only	Babbitt material; Full round design

(continued on next page)

Mercury Marine

15 7.4L 454 OHV V8 (Chevrolet), 4.25" Bore (GMC Eng.) (cont.) Marine Applications Models HP420 (420 HP Gen. IV & Gen. V); HP425 (385 HP Gen. IV & Gen. V); HP425 (400 HP Gen. IV & Gen. V); HP425 (425 HP Gen. IV & Gen. V); HP 525 SC (500 HP Gen. V); 7.4L Blue Water Inboard to Ser. No. D715493 (310 HP & 340 HP Gen. IV); 7.4L Blue Water Inboard from Ser. No. D715494 (310 HP Gen. V); 7.4L Bravo to Ser. No. D603117 (300 HP & 330 HP Gen. IV); 7.4L Bravo I from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo II from Ser. No. D603118 (300 HP & 330 HP Gen. V); 7.4L Bravo III from Ser. No. D603118 (350 HP Gen. V); 7.4L EFI Inboard from Ser. No. F215800 (310 HP Gen. V); 330 (330 HP Gen. IV); 340 (340 HP Gen. IV); 350 (350 HP Gen. IV); 370 TRS (370 HP Gen. IV); 400 TRS (400 HP Gen. IV); 450 (450 HP Gen. V); 454 Magnum Alpha from Ser. No. A631894 to B785148 (330 HP Gen. IV); 454 Magnum Bravo from Ser. No. B721206 to D805068 (350 HP & 365 HP Gen. IV); 454 Magnum Bravo from Ser. No. D805069 (350 HP Gen. V)					
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4154G	"Short Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance
	1	Oil Pump		224-4154	"Tall Pump"; Compare to orig.; Check for adequate main cap and crankshaft clearance
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set		260-1519M	Generation IV Engs. 300 HP to 350 HP; Rev. Rot. Incl. oval port int. manifold gskts.
	1	Kit Gasket Set		260-1518M	Generation IV Engs. 300 HP to 350 HP; Standard Rotation; Incl. oval port int. manifold gskts.
	1	Kit Gasket Set		260-1520M	Generation IV Engs. 365 HP to 400 HP; Standard Rotation; Incl. rectangular port int. manifold gskts.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8009	
16 8.2L 502 OHV V8 (Performance), 4.466" Bore (GMC Eng.) Marine Applications Models HP465 (465 HP Gen. V); HP 600 SC (550 HP Gen. V); 8.2L Inboard to Ser. No. D857199 (400 HP Gen. IV); 8.2L Inboard from Ser. No. D857200 to F819619 (400 HP Gen. V); 500 (470 HP Gen. V); 502 Magnum Bravo to Ser. No. D824588 (390 HP Gen. IV); 502 Magnum Bravo from Ser. No. D824589 (390 HP & 415 HP Gen. V)					
BLOCK	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter		HT-2279 Std Only	Hyd. rlr.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-648K Std-30-60	1-2.00MM, 1-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4400MA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Main Set		7122MA10 10-20-30	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Main Set		7273M Std-20	Full grooved
	1	Rod Set		8-3190A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	8	Rod Pair		3190A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
BLOCK	1	Cam Set		1404M Std Only	Babbitt material; Full round design
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit		381-8009	

MG - See British Leyland Mitsubishi Car

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.5L 1468cc SOHC L4 75.5mm Bore (8 Valve).....	1990-85	1	2.0L 1997cc SOHC L4 85mm Bore (8 Valve).....	1990-84	8
1.6L 1595cc DOHC L4 82.3mm Bore (16 Valve)	1990	2	2.0L 1997cc DOHC L4 85mm Bore (16 Valve)	1990-89	9
1.6L 1595cc DOHC Turbo L4 82.3mm Bore (16 Valve).....	1989	3	2.0L 1997cc DOHC Turbo L4 85mm Bore (16 Valve).....	1990	10
1.6L 1597cc SOHC Turbo L4 76.9mm Bore (8 Valve).....	1988-85	4	2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve).....	1987-85	11
1.8L 1755cc SOHC L4 80.6mm Bore (8 Valve).....	1990-89	5	2.6L 2555cc SOHC Turbo L4 91.1mm Bore (8 Valve).....	1989-83	12
1.8L 1795cc SOHC L4 80.6mm Bore (8 Valve).....	1983	6	3.0L 2972cc SOHC V6 91.1mm Bore (12 Valve)	1990-88	13
1.8L 1795cc SOHC Turbo L4 80.6mm Bore (8 Valve).....	1988-84	7			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
G15B	1.5L 1468cc SOHC L4 75.5mm Bore (8 Valve)	1	4G15.....	1.5L 1468cc SOHC L4 75.5mm Bore (8 Valve)	1
G32B-T	1.6L 1597cc SOHC Turbo L4 76.9mm Bore (8 Valve)	4	4G37.....	1.8L 1755cc SOHC L4 80.6mm Bore (8 Valve)	5
G4AJ.....	1.5L 1468cc SOHC L4 75.5mm Bore (8 Valve)	1	4G61.....	1.6L 1595cc DOHC L4 82.3mm Bore (16 Valve)	2
G4DJ	1.5L 1468cc SOHC L4 75.5mm Bore (8 Valve)	1	4G61-T	1.6L 1595cc DOHC Turbo L4 82.3mm Bore (16 Valve)	3
G54B-T	2.6L 2555cc SOHC Turbo L4 91.1mm Bore (8 Valve)	12	4G63.....	2.0L 1997cc SOHC L4 85mm Bore (8 Valve)	8
G62B	1.8L 1795cc SOHC L4 80.6mm Bore (8 Valve)	6	4G63.....	2.0L 1997cc DOHC L4 85mm Bore (16 Valve)	9
G62B-T	1.8L 1795cc SOHC Turbo L4 80.6mm Bore (8 Valve)	7	4G63-T	2.0L 1997cc DOHC Turbo L4 85mm Bore (16 Valve)	10
G63B	2.0L 1997cc SOHC L4 85mm Bore (8 Valve)	8	4G64.....	2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve)	11
G64B	2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve)	11	6G72.....	3.0L 2972cc SOHC V6 91.1mm Bore (12 Valve)	13

1.5L 1468cc SOHC L4 (8 Valve), 75.5mm Bore 1990-85 1

Eng. Codes "G4AJ" 1987-89, "G4DJ" 1990-94, "G15B" 1985-88, "4G15" 1989-90

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-89	222-128	Eng. Code "4G15"
1	Timing Belt	88-87	222-128	Eng. Code "G15B"
1	Timing Belt	86	222-128	Eng. Code "G15B"; From 6/86
1	Timing Belt	86	222-73	Eng. Code "G15B"; To 5/86
1	Timing Belt	85	222-73	Eng. Code "G15B"
1	Timing Belt Tensioner	90-85	222-33BT	Eng. Codes "G15B" & "4G15"
1	Timing Belt & Tensioner Set	90-87	BTS-128	Eng. Code "G15B"
1	Crank Sprocket	90-87	223-2026	20 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
1	Rocker Shaft	90-87	RS-638	Exh.; Exc. Precis
1	Rocker Shaft	90-87	RS-639	Int.; Exc. Precis
1	Rocker Shaft	86-85	RS-638	Exh.
1	Rocker Shaft	86-85	RS-639	Int.
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90	V-2253 Std Only	Eng. Code "G4DJ"; Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
4	Exhaust	90-89	V-2253 Std Only	Eng. Code "4G15"; Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
4	Exhaust	89-87	V-2253 Std Only	Eng. Code "G4AJ"; Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
4	Exhaust	88-85	V-2253 Std Only	Eng. Code "G15B"; Nitrided stem; 1.1810" Head Dia., .2580" Stem Dia., 3.9700" O.A.L.
4	Intake	90	V-4067 Std Only	Eng. Code "G4DJ"; Chrome plated stem; 1.3790" Head Dia., .2600" Stem Dia., 4.0040" O.A.L.
4	Intake	90-89	V-4067 Std Only	Eng. Code "4G15"; Chrome plated stem; 1.3790" Head Dia., .2600" Stem Dia., 4.0040" O.A.L.
4	Intake	89-87	V-2254 Std Only	Eng. Code "G4AJ"; Nitrided stem; 1.3400" Head Dia., .2580" Stem Dia., 4.0200" O.A.L.
4	Intake	88-85	V-2254 Std Only	Eng. Code "G15B"; Nitrided stem; 1.3400" Head Dia., .2580" Stem Dia., 4.0200" O.A.L.
4	Intake	88-85	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90-85	VG-721	Exh.; .2610" ID, 1.9500" O.A.L.
4	Guide	90-85	VG-722	Int.; .2610" ID, 1.7300" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90	VS-1512	Exh. & Int.; Eng. Code "G4DJ"; 1.7990" Free Height
8	Spring	90-89	VS-1512	Exh. & Int.; Eng. Code "4G15"; 1.7990" Free Height
8	Spring	89-87	VS-1512	Exh. & Int.; Eng. Code "G4AJ"; 1.7990" Free Height
8	Spring	88-85	VS-1512	Exh. & Int.; Eng. Code "G15B"; 1.7990" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-85	ST-2056	Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	90-85	245-1312-53 Std Only	Eng. Codes "4G15" & "G15B"; 1.3195" OD, .9800" ID, .2930" Depth

(continued on next page)

Mitsubishi Car

1 1.5L 1468cc SOHC L4 (8 Valve), 75.5mm Bore 1990-85

(cont.) Eng. Codes "G4AJ" 1987-89, "G4DJ" 1990-94, "G15B" 1985-88, "4G15" 1989-90

	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90-85	VK-230		
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K
	4	Cast Piston	90-89	12738P.50MM .50-1.00MM	Eng. Code "4G15"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep	
	4	Cast Piston	88	12738P.50MM .50-1.00MM	Eng. Code "G15B"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep	
	4	Cast Piston	88	12738P.50MM .50-1.00MM	Eng. Code "4G15"; From 4/88; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep	
	4	Cast Piston	87	12738P.50MM .50-1.00MM	Eng. Code "G15B"; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep	
	4	Cast Piston	86	12738P.50MM .50-1.00MM	Eng. Code "G15B"; From 6/86; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.150" CD, .7089" Pin Dia., Recessed Head .145" deep	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-619KC Std-.50MM	Eng. Code "G4DJ"; From 6/90; 1-1.20MM, 1-1.50MM, 1-3.00MM	
	1	Premium Set	90	E-516KC Std-.50-.75MM	To 5/90; 2-1.50MM, 1-4.00MM	
	1	Premium Set	89-85	E-516KC Std-.50-.75MM	2-1.50MM, 1-4.00MM	
	1	Standard Set	90	E-516X Std-.50-.75-1.00MM	To 5/90; 2-1.50MM, 1-4.00MM	
	1	Standard Set	89-85	E-516X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90	WE-619KC Std Only	Eng. Code "G4DJ"; From 6/90; 1-1.20MM, 1-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90	WE-516KC Std-.50MM	To 5/90; 2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	89-85	WE-516KC Std-.50MM	2-1.50MM, 1-4.00MM	
	4	Standard Single Cylinder Set	90	WE-516X Std-.50-1.00MM	To 5/90; 2-1.50MM, 1-4.00MM	
	4	Standard Single Cylinder Set	89-85	WE-516X Std-.50-1.00MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-85	6630M Std-.25-.50MM		
	1	Rod Set	90-89	4-4475RA Std-.25-.50MM		
	1	Rod Set	88	4-4475RA Std-.25-.50MM	From 9/88	
	1	Rod Set	88	4-3955RA Std-.25-.50-.75MM	To 8/88	
	1	Rod Set	87-85	4-3955RA Std-.25-.50-.75MM		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Screen Assy.	90	224-14281	Eng. Code "4G15"	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-89	260-1701	Eng. Code "4G15"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89	260-1194	Eng. Code "G4AJ"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	88-87	260-1194	Eng. Codes "G15B" & "G4AJ"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	86-85	260-1194	Eng. Code "G15B"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-89	381-8095		
	1	Brass Block Plug Kit	88-85	381-8095	Eng. Code "G15B"	
K I T S	RE-RING KIT					K I T S
	YEARS	DESCRIPTION				
	90	Eng. Code "4G15"; To 5/90; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		PREMIUM KIT NO. 205-6324 205-6324M	ECONOMY KIT NO. 205-1324 205-1324M
	89	Eng. Code "4G15"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6324 205-6324M	205-1324 205-1324M
	89	Eng. Code "G4AJ"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring Re-ring w/Mains		205-6325 205-6325M	205-1325 205-1325M
	88	Eng. Codes "G15B" & "G4AJ"; To 8/88; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6095 205-6095M	205-1095 205-1095M
	88	Eng. Codes "G15B" & "G4AJ"; From 9/88; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/2-1.50MM, 1-4.00MM ring groove	Re-ring Re-ring w/Mains		205-6325 205-6325M	205-1325 205-1325M

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Mitsubishi Car

1.5L 1468cc SOHC L4 (8 Valve), 75.5mm Bore 1990-85 1						
Eng. Codes "G4AJ" 1987-89, "G4DJ" 1990-94, "G15B" 1985-88, "4G15" 1989-90 (cont.)						
K I T S	RE-RING KIT (cont.)				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			205-6095	205-1095
	87	Eng. Codes "G15B" & "G4AJ"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6095M	205-1095M
K I T S	86-85	Eng. Code "G15B"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6095	205-1095
					205-6095M	205-1095M
1.6L 1595cc DOHC L4 (16 Valve), 82.3mm Bore 1990 2						
Eng. Code "4G61" 1990-92						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90	222-B165		
	1	Timing Belt Tensioner	90	222-327BT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90	HT-2274	Std Only Hyd. lash adj.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90	V-2653	Std Only Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
	8	Exhaust, Bulk	90	V-2653B	Std Only Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
	8	Intake	90	V-2652	Std Only Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
	8	Intake, Bulk	90	V-2652B	Std Only Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.	
	8	Guide	90	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	90	VS-1535	1.8000" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90	ST-2056	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90	245-1312-64	Std Only 1.3190" OD, 1.0450" ID, .3165" Depth	
	8	Int.	90	245-1437-68	Std Only 1.4445" OD, 1.1350" ID, .3165" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90	VK-230		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-742KC	Std Only 1-1.20MM, 1-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	5103M	Std-.25-.50-.75MM	
	1	Rod Set	90	4-3485CP	Std-.25-.50-.75MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1704	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			205-6704	-----
	90	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	Re-ring w/Mains	205-6704M	-----
1.6L 1595cc DOHC Turbo L4 (16 Valve), 82.3mm Bore 1989 3						
Eng. Code "4G61-T" 1989						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	89	222-B165		
	1	Timing Belt Tensioner	89	222-327BT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	89	HT-2274	Std Only Hyd. lash adj.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	89	V-2653	Std Only Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.	
	8	Intake	89	V-2652	Std Only Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	89	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.	
	8	Guide	89	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	89	VS-1535	Exh. & Int.; 1.8000" Free Height	

(continued on next page)

Mitsubishi Car

3 1.6L 1595cc DOHC Turbo L4 (16 Valve), 82.3mm Bore 1989 (cont.) Eng. Code "4G61-T" 1989					
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	89	ST-2056	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	89	245-1312-64 Std Only	1.3190" OD, 1.0450" ID, .3165" Depth
	8	Int.	89	245-1437-68 Std Only	1.4445" OD, 1.1350" ID, .3165" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	89	VK-230	Exh. & Int.
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89	5103M Std-.25-.50-.75MM	
	1	Rod Set	89	4-3485CP Std-.25-.50-.75MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	89	260-1704	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
4 1.6L 1597cc SOHC Turbo L4 (8 Valve), 76.9mm Bore 1988-85 Eng. Code "G32B-T" 1985-88					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt Tensioner	88-87	222-328BT	
	1	Timing Belt Tensioner	86	222-328BT	From 3/86
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Intake	86	V-3953 Std Only	To 5/86; Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	4	Intake	85	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	88-85	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.
	4	Guide	88-85	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.
	4	Guide	88-85	VG-710	Int.; .3155" ID, 1.7280" O.A.L.
4	Guide, Bulk	88-85	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
4	Valve Stem Seal	88-85	ST-2083	Exh.; Positive type; Rubber	
4	Valve Stem Seal	88-85	ST-2037	Int.; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	88-85	245-1375-51 Std Only	1.3820" OD, 1.0600" ID, .2800" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	88-85	VK-232		
8	Spring Insert	88-85	259-821B	.060"; Case hardened; Carton of 48	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	88-85	E-486KC Std Only	2-1.50MM, 1-4.00MM
	1	Standard Set	88-85	E-486X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	88-85	WE-486KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-85	5103M Std-.25-.50-.75MM	
1	Rod Set	88-85	4-3485CP Std-.25-.50-.75MM		
1	Cam Set	88-85	1858M Std Only		
1	Aux. Shaft Set	88-85	1806M		
5 1.8L 1755cc SOHC L4 (8 Valve), 80.6mm Bore 1990-89 Eng. Code "4G37" 1989-94					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-158	
	1	Timing Belt Tensioner	90-89	222-328BT	
	1	Bal. Shaft Belt	90-89	222-159	
	1	Bal. Shaft Belt Tensioner	90-89	222-38BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	90	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	90	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90	V-2658 Std Only	Chrome plated stem; 1.3390" Head Dia., .3125" Stem Dia., 3.7630" O.A.L.
	4	Intake	90	V-2659 Std Only	Chrome plated stem; 1.6540" Head Dia., .3137" Stem Dia., 3.8660" O.A.L.

(continued on next page)

Mitsubishi Car

1.8L 1755cc SOHC L4 (8 Valve), 80.6mm Bore 1990-89 5						
Eng. Code "4G37" 1989-94 (cont.)						
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	90	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.	
	4	Guide	90	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.	
	4	Guide	90	VG-710	Int.; .3155" ID, 1.7280" O.A.L.	
	4	Guide, Bulk	90	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90-89	ST-2083	Exh. & Int.; Positive type; Rubber	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90	VK-232		
	8	Spring Insert	90	259-821B	.060"; Case hardened; Carton of 48	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-541KC Std Only	2-1.50MM, 1-4.00MM	
	1	Standard Set	90	E-541X Std Only	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	90	WE-541KC Std Only	2-1.50MM, 1-4.00MM	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	5103M Std-.25-.50-.75MM		
	1	Rod Set	90	4-3485CP Std-.25-.50-.75MM		
	1	Aux. Shaft Set	90	1806M		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Screen Assy.	90-89	224-14281		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1703	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	RE-RING KIT				PREMIUM	ECONOMY
	YEARS	DESCRIPTION			KIT NO.	KIT NO.
	90	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6375	205-1375
			Re-ring w/Mains		205-6375M	205-1375M
1.8L 1795cc SOHC L4 (8 Valve), 80.6mm Bore 1983 6						
Eng. Code "G62B" 1983						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	83	222-89		
	1	Timing Belt Tensioner	83	222-105BT		
	1	Bal. Shaft Belt	83	222-90		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	83	V-3933 Std Only	Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.	
	4	Intake	83	V-2331 Std Only	Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.	
	4	Intake	83	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	83	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.	
	4	Guide	83	VG-715	Int.; .3155" ID, 1.8500" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	4	Valve Stem Seal	83	ST-2083	Exh.; Positive type; Rubber	
	4	Valve Stem Seal	83	ST-2037	Int.; Positive type; Rubber	
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	83	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth	
	4	Int.	83	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	83	VK-232		
	8	Spring Insert	83	259-821B	.060"; Case hardened; Carton of 48	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	83	E-541KC Std Only	2-1.50MM, 1-4.00MM	
	1	Premium Set	83	E-778KC Std Only	2-2.00MM, 1-4.00MM	
	1	Standard Set	83	E-541X Std Only	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	83	WE-541KC Std Only	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	83	5103M Std-.25-.50-.75MM		
	1	Rod Set	83	4-3485CP Std-.25-.50-.75MM		
	1	Cam Set	83	1858M Std Only		
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	83	381-8099		

Mitsubishi Car

7 1.8L 1795cc SOHC Turbo L4 (8 Valve), 80.6mm Bore 1988-84 Eng. Code "G62B-T" 1984-88

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	88-87	222-158	
	1	Timing Belt	86-84	222-89	
	1	Timing Belt Tensioner	88-84	222-105BT	
	1	Bal. Shaft Belt	88-87	222-159	
	1	Bal. Shaft Belt	86-84	222-90	
	1	Bal. Shaft Belt Tensioner	88	222-161BT	
	1	Bal. Shaft Belt Tensioner	87	222-161BT	From 5/87
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	88-86	CS-817	w/Hyd. followers
	1	Camshaft	85	CS-817	From 6/85; w/Hyd. followers
	8	Lifter	88-86	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter	85	HT-6000 Std Only	From 6/85; Hyd. lash adj.
	8	Lifter, Bulk	88-86	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	8	Lifter, Bulk	85	HT-6000B Std Only	From 6/85; Hyd. lash adj.; Carton of 128
	1	Prelube	88-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	88-86	R-958	Arm "C", Exh. 1-3; Cordia & Tredia
	2	Arm	85	R-958	Arm "C", Exh. 1-3; Cordia
	2	Arm	85	R-958	Arm "C", Exh. 1-3; From 6/85; Tredia
VALVE TRAIN	2	Arm	84	R-958	Arm "C", Exh. 1-3; From 5/84; Cordia
	1	Rocker Shaft	88-86	RS-658	Exh.; Cordia & Tredia
	1	Rocker Shaft	88-86	RS-659	Int.; Cordia & Tredia
	1	Rocker Shaft	85	RS-658	Exh.; Cordia
	1	Rocker Shaft	85	RS-658	Exh.; From 6/85; Tredia
	1	Rocker Shaft	85	RS-659	Int.; Cordia
	1	Rocker Shaft	85	RS-659	Int.; From 6/85; Tredia
	1	Rocker Shaft	84	RS-658	Exh.; From 5/84; Cordia
	1	Rocker Shaft	84	RS-659	Int.; From 5/84; Cordia
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	88-84	V-3933 Std Only	Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.
	4	Intake	88-84	V-2331 Std Only	Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.
	4	Intake	88-84	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	88-84	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	88-84	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	88-86	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring	85	VS-1461	Exh. & Int.; Cordia; 1.9600" Free Height
	8	Spring	85	VS-1461	Exh. & Int.; From 6/85; Tredia; 1.9600" Free Height
	8	Spring	84	VS-1461	Exh. & Int.; From 5/84; Cordia; 1.9600" Free Height
	8	Spring, Bulk	88-86	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	85	VS-1461B	Exh. & Int.; Cordia; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	85	VS-1461B	Exh. & Int.; From 6/85; Tredia; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 5/84; Cordia; Carton of 250; 1.9600" Free Height
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	88-84	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	88-84	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	88-84	VK-232	
	8	Spring Insert	88-84	259-821B	.060"; Case hardened; Carton of 48
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	88-84	E-541KC Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	88-84	WE-541KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-84	5103M Std-.25-.50-.75MM	
	1	Rod Set	88-84	4-3485CP Std-.25-.50-.75MM	
	1	Cam Set	88-84	1858M Std Only	
BLOCK	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	88-84	381-8099	

Mitsubishi Car

2.0L 1997cc SOHC L4 (8 Valve), 85mm Bore 1990-84

8

Eng. Codes "G63B" 1984-88, "4G63" 1989-92

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-155	
	1	Timing Belt	89	222-155	
	1	Timing Belt	89	222-158	Exc. Galant
	1	Timing Belt	88-84	222-158	
	1	Timing Belt Tensioner	90	222-333BT	
	1	Timing Belt Tensioner	89	222-105BT	Exc. Galant
	1	Timing Belt Tensioner	89	222-333BT	Galant
	1	Timing Belt Tensioner	88-84	222-105BT	
	1	Bal. Shaft Belt	90-84	222-159	
	1	Bal. Shaft Belt Tensioner	90-89	222-161BT	
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	88-85	CS-817	w/Hyd. followers
	1	Camshaft	84	CS-817	From 5/84; w/Hyd. followers
	8	Lifter	90-85	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter	84	HT-6000 Std Only	From 5/84; Hyd. lash adj.
	8	Lifter, Bulk	90-85	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	8	Lifter, Bulk	84	HT-6000B Std Only	From 5/84; Hyd. lash adj.; Carton of 128
	1	Prelube	88-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	88-85	R-958	Exh. "C" 1-3
VALVE TRAIN	2	Arm	84	R-958	Exh. "C" 1-3; From 5/84
	1	Rocker Shaft	88-85	RS-658	Exh.
	1	Rocker Shaft	88-85	RS-659	Int.
	1	Rocker Shaft	84	RS-658	Exh.; From 5/84
	1	Rocker Shaft	84	RS-659	Int.; From 5/84
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-84	V-3933 Std Only	Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.
	4	Intake	90-84	V-2331 Std Only	Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.
	4	Intake	88-84	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	89-84	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	89-84	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	89-85	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring	84	VS-1461	Exh. & Int.; From 5/84; 1.9600" Free Height
	8	Spring, Bulk	89-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 5/84; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	89-84	ST-2083	Exh.; Positive type; Rubber
	4	Valve Stem Seal	89-84	ST-2037	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	89-84	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
	4	Int.	89-84	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
VALVE TRAIN	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	89-84	VK-232	
	8	Spring Insert	89-84	259-821B	.060"; Case hardened; Carton of 48
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-455KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Premium Set	88-84	E-452KC Std-.75-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	90-89	E-455X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	88-84	E-452X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-89	WE-455KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	88-84	WE-452KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	90-89	WE-455X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-84	5103M Std-.25-.50-.75MM	
BLOCK	1	Rod Set	90-84	4-3485CP Std-.25-.50-.75MM	
	1	Bal. Shaft Set	90-84	1810M	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-84	260-1199	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.

(continued on next page)

Mitsubishi Car

8 2.0L 1997cc SOHC L4 (8 Valve), 85mm Bore 1990-84 (cont.) Eng. Codes "G63B" 1984-88, "4G63" 1989-92							
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	89-84	381-8099	Eng. Code "G63B"		
K I T S	RE-RING KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION				KIT NO.	KIT NO.
	90-89	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-875 205-875M	205-375 205-375M
	88-84	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-874 205-874M	205-374 205-374M
9 2.0L 1997cc DOHC L4 (16 Valve), 85mm Bore 1990-89 Eng. Code "4G63" 1989-94							
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1	Timing Belt	90-89	222-B167			
	1	Timing Belt Tensioner	90-89	222-327BT			
	1	Timing Belt & Tensioner Set	90	BTS-167			
	1	Bal. Shaft Belt	90-89	222-B168			
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	16	Lifter	90-89	HT-2274 Std Only	Hyd. lash adj.		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	8	Exhaust	90-89	V-2653 Std Only	Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.		
	8	Exhaust, Bulk	90-89	V-2653B Std Only	Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.		
	8	Intake	90-89	V-2652 Std Only	Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.		
	8	Intake, Bulk	90-89	V-2652B Std Only	Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	8	Guide	90-89	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.		
	8	Guide	90-89	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
	16	Spring	90-89	VS-1535	1.8000" Free Height		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
	16	Valve Stem Seal	90-89	ST-2056	Positive type; Rubber		
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
	4	Exh.	90-89	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth		
	4	Int.	90-89	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
	32	Keeper	90-89	VK-230			
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	4	Cast Piston	90-89	13507P Std Only	Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 35.0mm CD, 21.0mm Pin Dia., Recessed Head 2.10mm deep x 75.00mm dia. w/4 valve reliefs		
	4	Cast Piston - Individual	90-89	W13507P Std Only	Cast; 1-1.20mm, 1-1.50mm, 1-3.00mm Ring Groove, 35.0mm CD, 21.0mm Pin Dia., Recessed Head 2.10mm deep x 75.00mm dia. w/4 valve reliefs		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	90-89	E-522KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-3.00MM		
	4	Premium Single Cylinder Set	90-89	WE-522KC Std-1.00MM	1-1.20MM, 1-1.50MM, 1-3.00MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	90-89	5103M Std-.25-.50-.75MM			
	1	Rod Set	90-89	4-3485CP Std-.25-.50-.75MM			
	1	Bal. Shaft Set	90-89	1810M			
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	90-89	224-43602			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90-89	260-1704	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	89	381-8099			
K I T S	RE-RING KIT					PREMIUM	ECONOMY
	YEARS	DESCRIPTION				KIT NO.	KIT NO.
	90-89	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			Re-ring Re-ring w/Mains	205-6328 205-6328M	----- -----

(continued on next page)

Mitsubishi Car

2.0L 1997cc DOHC L4 (16 Valve), 85mm Bore 1990-89 9					
Eng. Code "4G63" 1989-94 (cont.)					
OVERHAUL KIT				PREMIUM	ECONOMY
YEARS	DESCRIPTION			KIT NO.	KIT NO.
90-89	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. 13507P piston	Block		BK-6296	-----
2.0L 1997cc DOHC Turbo L4 (16 Valve), 85mm Bore 1990 10					
Eng. Code "4G63-T" 1989-99					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-B167	
	1	Timing Belt Tensioner	90	222-327BT	
	1	Timing Belt & Tensioner Set	90	BTS-167	
	1	Bal. Shaft Belt	90	222-B168	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	Lifter	90	HT-2274 Std Only	Hyd. lash adj.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90	V-2653 Std Only	Chrome plated stem; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.
	8	Exhaust, Bulk	90	V-2653B Std Only	Chrome plated stem; Carton of 25; 1.2010" Head Dia., .2575" Stem Dia., 4.3190" O.A.L.
	8	Intake	90	V-2652 Std Only	Chrome plated stem; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.
	8	Intake, Bulk	90	V-2652B Std Only	Chrome plated stem; Carton of 25; 1.3390" Head Dia., .2575" Stem Dia., 4.3210" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	90	VG-903	Exh.; .4785" OD; .2580" ID, 1.9900" O.A.L.
	8	Guide	90	VG-904	Int.; .008" O/S, .4840" OD; .2580" ID, 1.8000" O.A.L.
B L O C K	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	90	VS-1535	1.8000" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	90	ST-2056	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90	245-1312-64 Std Only	1.3190" OD, 1.0450" ID, .3165" Depth
	8	Int.	90	245-1437-68 Std Only	1.4445" OD, 1.1350" ID, .3165" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90	VK-230	Exh. & Int.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-522KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90	WE-522KC Std-1.00MM	1-1.20MM, 1-1.50MM, 1-3.00MM
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90	5103M Std-.25-.50-.75MM	
	1	Rod Set	90	4-3485CP Std-.25-.50-.75MM	
	1	Bal. Shaft Set	90	1810M	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1704	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
RE-RING KIT				PREMIUM	ECONOMY
YEARS	DESCRIPTION			KIT NO.	KIT NO.
90	Turbo mtg. gskts. not incl.; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6328	-----
		Re-ring w/Mains		205-6328M	-----
2.4L 2351cc SOHC L4 (8 Valve), 86.5mm Bore 1987-85 11					
Eng. Codes "G64B" 1985-87, "4G64" 1992					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	87-85	222-124	
	1	Timing Belt Tensioner	87-85	222-105BT	
	1	Timing Belt & Tensioner Set	87-85	BTS-124	
	1	Bal. Shaft Belt	87	222-159	
	1	Bal. Shaft Belt	86-85	222-90	
	1	Bal. Shaft Belt Tensioner	87	222-161BT	From 5/87
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	87	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	87	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	87-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

Mitsubishi Car

11 2.4L 2351cc SOHC L4 (8 Valve), 86.5mm Bore 1987-85 (cont.) Eng. Codes "G64B" 1985-87, "4G64" 1992

VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	87-85	R-958	Exh. "C" 1-3
	1	Rocker Shaft	87-85	RS-658	Exh.
	1	Rocker Shaft	87-85	RS-659	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	87-85	V-2660 Std Only	Chrome plated stem; 1.4960" Head Dia., .3126" Stem Dia., 4.1410" O.A.L.
	4	Intake	87-85	V-2661 Std Only	Chrome plated stem; 1.8110" Head Dia., .3140" Stem Dia., 4.1909" O.A.L.
	4	Intake	86	V-3953 Std Only	To 5/86; Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	4	Intake	85	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
BLOCK	4	Guide	87-85	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
	4	Guide	87-85	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	87-85	VS-1461	Exh. & Int.; 1.9600" Free Height
	8	Spring, Bulk	87-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	87-85	ST-2083	Exh.; Positive type; Rubber
	4	Valve Stem Seal	87-85	ST-2037	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	87-85	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	87-85	VK-232	
	8	Spring Insert	87-85	259-821B	.060"; Case hardened; Carton of 48
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-85	E-524KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	87-85	E-524X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	87-85	WE-524KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-85	5103M Std-.25-.50-.75MM	
	1	Rod Set	87-85	4-3485CP Std-.25-.50-.75MM	
BLOCK	1	Cam Set	87-85	1858M Std Only	
	1	Bal. Shaft Set	87-85	1810M	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87-85	260-1709	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	87-85	381-8099	Eng. Code "G64B"
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	87-85	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		205-6335	205-1335
		Re-ring		205-6335M	205-1335M
		Re-ring w/Mains			

12 2.6L 2555cc SOHC Turbo L4 (8 Valve), 91.1mm Bore 1989-83 Eng. Code "G54B-T" 1983-89

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	89-83	KT-1013S	Incl. sprockets, chain, tensioner & guides
	1	Bal. Shaft Set	89-83	KT-1014S	Incl. sprockets, chain & guides
	1	Timing Chain	89-83	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	89-83	222-49CT	
	1	Timing Chain Guide	89-83	222-31GP	Slack Side
	1	Timing Chain Guide	89-83	222-30GP	Tension Side
	1	Bal. Shaft Chain Guide	89-83	222-51GP	Lower
	1	Bal. Shaft Chain Guide	89-83	222-64GP	R.H.
	1	Crank Sprocket	89-83	223-407	Outer; Single row; 34 Teeth
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-87	CS-810	
	1	Camshaft	86	CS-810	From 10/85
	1	Camshaft	85	CS-810	From 6/85; w/o Intercooler
	8	Lifter	89-85	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter, Bulk	89-85	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	89-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	89-86	R-958	Exh.; w/Intercooler
	4	Arm	85	R-958	Exh.; From 10/85; w/Intercooler

(continued on next page)

Mitsubishi Car

2.6L 2555cc SOHC Turbo L4 (8 Valve), 91.1mm Bore 1989-83 **12**

Eng. Code "G54B-T" 1983-89 (cont.)

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION	
4	Arm	85	R-958	Exh.; From 6/85; w/o Intercooler	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	87-85	V-2313 Std Only	Exc. Intercooled; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Exhaust	84	V-2313 Std Only	From 5/84; Exc. Intercooled; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Intake	87-85	V-2312 Std Only	Exc. Intercooled; 1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
4	Intake	84	V-2312 Std Only	From 5/84; Exc. Intercooled; 1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
4	Guide	89-83	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.	
4	Guide	89-83	VG-715	Int.; .3155" ID, 1.8500" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	89-83	VS-1461	Exh. & Int.; 1.9600" Free Height	
8	Spring, Bulk	89-83	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	89-83	ST-2083	Exh. & Int.; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	89-83	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	89-83	VK-232		
8	Spring Insert	89-83	259-821B	.060"; Case hardened; Carton of 48	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Cast Piston	87	12220P.75MM .75-1.00MM	To 5/87; Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.	
4	Cast Piston	86-83	12220P.75MM .75-1.00MM	Use w/E-439KC ring set; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 35.2mm CD, 22.0mm Pin Dia., Recessed Head .200" deep x 2.670" dia.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	89-84	E-439KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM	
1	Premium Set	83	E-439KC Std-.50-.75-1.00-1.50MM	From 6/83; 2-1.50MM, 1-4.00MM	
1	Premium Set	83	E-425KC1.00MM 1.00MM	To 5/83; 2-2.00MM, 1-4.00MM	
4	Premium Single Cylinder Set	89-84	WE-439KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	83	WE-439KC Std-.50-.75-1.00MM	From 6/83; 2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	83	WE-425KC Std-.50-.75-1.00MM	To 5/83; 2-2.00MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	89-83	6618M Std-.25-.50-.75MM		
1	Rod Set	89-83	4-66675P Std-.25-.50-.75-1.00MM		
1	Cam Set	89-83	1858M Std Only		
1	Aux. Shaft Set	89-83	1805M		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	89-84	224-41915		
1	Oil Pump	83	224-41915	From 2/83	
1	Oil Pump	83	224-41914	To 1/83	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	87-83	260-1201	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl. Replacement recommended	
1	Head Bolt Set	89-83	260-2513		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	89-83	381-8098		
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	87-84	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-871 205-871M	----- -----
	83	From 6/83; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-871 205-871M	----- -----

Mitsubishi Car

13 3.0L 2972cc SOHC V6 (12 Valve), 91.1mm Bore 1990-88
Eng. Code "6G72" 1988-99

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-88	222-139	
	1	Timing Belt Tensioner	90-88	222-195BT	
	1	Timing Belt & Tensioner Set	90-88	BTS-139	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	90-88	R-1122	w/Rlr. lifters
	2	Rocker Shaft	90-88	RS-699	Exh.
	2	Rocker Shaft	90-88	RS-700	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-88	V-3952 Std Only	Nitrided stem; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.
BLOCK	6	Exhaust, Bulk	90-88	V-3952B Std Only	1 groove; Nitrided stem; Carton of 25; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.
	6	Intake	90-88	V-2563 Std Only	Nitrided stem; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.
	6	Intake, Bulk	90-88	V-2563B Std Only	Nitrided stem; Carton of 25; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-88	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.
	6	Guide	90-88	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.
	6	Guide	90-88	VG-710	Int.; .3155" ID, 1.7280" O.A.L.
	6	Guide, Bulk	90-88	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-88	VS-1461	Exh. & Int.; 1.9600" Free Height
BLOCK	12	Spring, Bulk	90-88	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-88	ST-2037	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-88	245-1562-69 Std Only	1.5695" OD, 1.2190" ID, .3170" Depth
	6	Int.	90-88	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-88	VK-232	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90	H834CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
BLOCK	6	Cast Piston	89	H834CP Std-.50-.75-1.00-1.50MM	From 2/89; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	6	Cast Piston - Individual	90	WH834CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	6	Cast Piston - Individual	89	WH834CP Std-.50-.75-1.00-1.50MM	From 2/89; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	90	6KH834CP Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	89	6KH834CP Std-.50-.75-1.00MM	From 2/89; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-528KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-88	E-528X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-88	WE-528KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	7090M Std-.25-.50-.75MM	
BLOCK	1	Thrust Washer Set	90-88	1736AF Std Only	Position 3
	1	Rod Set	90-88	6-1735CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	88	224-43651	Sigma
	1	Pump Repair Kit	90-88	224-51385	

(continued on next page)

Mitsubishi Car

3.0L 2972cc SOHC V6 (12 Valve), 91.1mm Bore 1990-88 13					
Eng. Code "6G72" 1988-99 (cont.)					
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90-88	260-1839	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
1	Head Bolt Set	90-88	260-2516	Replacement recommended	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	90-88	381-8090		
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6882 205-6882M	205-1882 205-1882M
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block	BK-6301	----
K I T S	89	From 2/89; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block	BK-6301	----

Mitsubishi Minivans - See Mitsubishi Truck Mitsubishi SUV's - See Mitsubishi Truck Mitsubishi Truck (Includes Minivans and SUV's)

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
2.0L 1997cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	1989-83	1	2.6L 2555cc SOHC L4 91.1mm Bore (8 Valve) L/D Truck.....	1989-83	4
2.3L 2346cc SOHC Turbo-Diesel L4 91mm Bore (8 Valve) L/D Truck.....	1985-83	2	3.0L 2972cc SOHC V6 91.1mm Bore (12 Valve) L/D Truck.....	1990-89	5
2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve) L/D Truck.....	1990-87	3	3.3L 3298cc OHV Turbo-Diesel L4 100mm Bore (8 Valve) L/D Truck.....	1987	6
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
G54B	2.6L 2555cc SOHC L4 91.1mm Bore (8 Valve) L/D Truck.....	4	4D55-T.....	2.3L 2346cc SOHC Turbo-Diesel L4 91mm Bore (8 Valve) L/D Truck.....	2
G63B	2.0L 1997cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	1	4G64.....	2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve) L/D Truck.....	3
G64B	2.4L 2351cc SOHC L4 86.5mm Bore (8 Valve) L/D Truck.....	3	6G72.....	3.0L 2972cc SOHC V6 91.1mm Bore (12 Valve) L/D Truck.....	5

2.0L 1997cc SOHC L4 (8 Valve), 85mm Bore 1989-83 1					
L/D Truck Eng. Code "G63B" 1983-89					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	89-87	222-158	
	1	Timing Belt	86-83	222-89	
	1	Timing Belt Tensioner	89-84	222-105BT	
	1	Bal. Shaft Belt	89-87	222-159	
	1	Bal. Shaft Belt	86-83	222-90	
	1	Bal. Shaft Belt Tensioner	89-88	222-161BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-85	CS-817	w/Hyd. followers
	1	Camshaft	84	CS-817	From 5/84; w/Hyd. followers
	8	Lifter	89-85	HT-6000 Std Only	Hyd. lash adj.
	8	Lifter	84	HT-6000 Std Only	From 5/84; Hyd. lash adj.
	8	Lifter, Bulk	89-85	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	8	Lifter, Bulk	84	HT-6000B Std Only	From 5/84; Hyd. lash adj.; Carton of 128
	1	Prelube	89-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	89-85	R-958	Exh. "C" 1-3
	4	Arm	84	R-958	Exh. "C" 1-3; From 5/84
	1	Rocker Shaft	89-85	RS-658	Exh.
	1	Rocker Shaft	89-85	RS-659	Int.

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

1 2.0L 1997cc SOHC L4 (8 Valve), 85mm Bore 1989-83
(cont.) L/D Truck Eng. Code "G63B" 1983-89

QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
1	Rocker Shaft	84	RS-658	Exh.; From 5/84
1	Rocker Shaft	84	RS-659	Int.; From 5/84
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	89-84	V-3933 Std Only	Nitrided stem; 1.3780" Head Dia., .3126" Stem Dia., 4.2780" O.A.L.
4	Intake	89-84	V-3953 Std Only	Jet valve assy.; .2270" Head Dia., .1676" Stem Dia., 3.6430" O.A.L.
4	Intake	89-83	V-2331 Std Only	Chrome plated stem; 1.6930" Head Dia., .3137" Stem Dia., 4.3230" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	89-84	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.
4	Guide	89-83	VG-715	Int.; .3155" ID, 1.8500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	89-85	VS-1461	Exh. & Int.; 1.9600" Free Height
8	Spring	84	VS-1461	Exh. & Int.; From 5/84; 1.9600" Free Height
8	Spring, Bulk	89-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 5/84; Carton of 250; 1.9600" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
4	Valve Stem Seal	89-84	ST-2083	Exh.; Positive type; Rubber
4	Valve Stem Seal	89-84	ST-2037	Int.; Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	89-84	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
4	Int.	89-84	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	89-84	VK-232	
4	Spring Insert	89-84	259-821B	.060"; Case hardened; Carton of 48
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	89-87	E-455KC Std.-50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1	Premium Set	86	E-455KC Std.-50-.75-1.00-1.50MM	From 5/86; 2-1.50MM, 1-4.00MM
1	Premium Set	86	E-452KC Std.-75-1.00MM	To 4/86; 2-2.00MM, 1-4.00MM
1	Premium Set	85-83	E-452KC Std.-75-1.00MM	2-2.00MM, 1-4.00MM
1	Standard Set	89-87	E-455X Std.-50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
1	Standard Set	86	E-455X Std.-50-.75-1.00-1.50MM	From 5/86; 2-1.50MM, 1-4.00MM
1	Standard Set	86	E-452X Std.-50-.75-1.00MM	To 4/86; 2-2.00MM, 1-4.00MM
1	Standard Set	85-83	E-452X Std.-50-.75-1.00MM	2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	89-87	WE-455KC Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	86	WE-455KC Std.-50-.75-1.00MM	From 5/86; 2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	86	WE-452KC Std.-50-.75-1.00MM	To 4/86; 2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	85-83	WE-452KC Std.-50-.75-1.00MM	2-2.00MM, 1-4.00MM
4	Standard Single Cylinder Set	89-87	WE-455X Std.-50-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Standard Single Cylinder Set	86	WE-455X Std.-50-.75-1.00MM	From 5/86; 2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-83	5103M Std.-25-.50-.75MM	
1	Rod Set	89-83	4-3485CP Std.-25-.50-.75MM	
1	Bal. Shaft Set	89-83	1810M	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	89-83	260-1199	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	89-83	381-8099	Eng. Code "G63B"
RE-RING KIT	YEARS	DESCRIPTION	PREMIUM KIT NO.	ECONOMY KIT NO.
89-87		Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	205-875	205-375
		Re-ring	205-875M	205-375M
86		To 4/86; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	205-874	205-374
		Re-ring	205-874M	205-374M
86		From 5/86; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	205-875	205-375
		Re-ring	205-875M	205-375M

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

2.0L 1997cc SOHC L4 (8 Valve), 85mm Bore 1989-83 1					
L/D Truck Eng. Code "G63B" 1983-89 (cont.)					
RE-RING KIT (cont.)			PREMIUM	ECONOMY	
YEARS	DESCRIPTION		KIT NO.	KIT NO.	
85-83	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-874 205-874M	205-374 205-374M	
2.3L 2346cc SOHC Turbo-Diesel L4 (8 Valve), 91mm Bore 1985-83 2					
L/D Truck Eng. Code "4D55-T" 1983-85					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	85-83	222-91		
1	Bal. Shaft Belt	85-83	222-92		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	85-83	HT-6000 Std Only	Hyd. lash adj.	
8	Lifter, Bulk	85-83	HT-6000B Std Only	Hyd. lash adj.; Carton of 128	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	85-83	ST-2037	Positive type; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	85-83	VK-232		
8	Spring Insert	85-83	259-821B	.060"; Case hardened; Carton of 48	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	85-84	4-68304Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	4	Premium Single Cylinder Set	85-83	WE-596KC Std Only	1-2.50MM, 1-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-83	6593M Std-.25-.50-.75MM	
	1	Rod Set	85-83	4-66675P Std-.25-.50-.75-1.00MM	
2.4L 2351cc SOHC L4 (8 Valve), 86.5mm Bore 1990-87 3					
L/D Truck Eng. Codes "G64B" 1987-90, "4G64" 1990-96					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90-87	222-124		
1	Timing Belt Tensioner	90-87	222-105BT		
1	Timing Belt & Tensioner Set	90-87	BTS-124		
1	Bal. Shaft Belt	90-87	222-159		
1	Bal. Shaft Belt Tensioner	90-88	222-161BT		
1	Bal. Shaft Belt Tensioner	87	222-161BT	From 5/87	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	90-87	HT-6000 Std Only	Hyd. lash adj.	
8	Lifter, Bulk	90-87	HT-6000B Std Only	Hyd. lash adj.; Carton of 128	
1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
2	Arm	89-87	R-958	Exh. "C" 1-3	
1	Rocker Shaft	89-87	RS-658	Exh.	
1	Rocker Shaft	89-87	RS-659	Int.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	89-87	V-2660 Std Only	Chrome plated stem; 1.4960" Head Dia., .3126" Stem Dia., 4.1410" O.A.L.	
4	Intake	89-87	V-2661 Std Only	Chrome plated stem; 1.8110" Head Dia., .3140" Stem Dia., 4.1909" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
4	Guide	89-87	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.	
4	Guide	89-87	VG-715	Int.; .3155" ID, 1.8500" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	90-87	VS-1461	Exh. & Int.; 1.9600" Free Height	
8	Spring, Bulk	90-87	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
4	Valve Stem Seal	89-87	ST-2083	Exh.; Positive type; Rubber	
4	Valve Stem Seal	89-87	ST-2037	Int.; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	90-87	245-1875-51 Std Only	1.8820" OD, 1.5750" ID, .3170" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	89-87	VK-232		
8	Spring Insert	89-87	259-821B	.060"; Case hardened; Carton of 48	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-87	E-524KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
1	Standard Set	90-87	E-524X Std Only	2-1.50MM, 1-4.00MM	

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

3 2.4L 2351cc SOHC L4 (8 Valve), 86.5mm Bore 1990-87 (cont.) L/D Truck Eng. Codes "G64B" 1987-90, "4G64" 1990-96						
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	90-87	WE-524KC	Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-87	5103M	Std-.25-.50-.75MM	
	1	Rod Set	90-87	4-3485CP	Std-.25-.50-.75MM	
	1	Cam Set	90-87	1858M	Std Only	
1	Bal. Shaft Set	90-87	1810M			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Screen Assy.	90	224-14282	Eng. Code "4G64"		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-87	260-1709	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90	381-8099	Eng. Codes "4G64" & "G64B"		
1	Brass Block Plug Kit	89-87	381-8099	Eng. Code "G64B"		
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-6335 205-6335M	205-1335 205-1335M
	89-87	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring Re-ring w/Mains	205-6335 205-6335M	205-1335 205-1335M
4 2.6L 2555cc SOHC L4 (8 Valve), 91.1mm Bore 1989-83 L/D Truck Eng. Code "G54B" 1983-89						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Complete Set	89-83	KT-1013S	Incl. sprockets, chain, tensioner & guides	
	1	Bal. Shaft Set	89-83	KT-1014S	Incl. sprockets, chain & guides	
	1	Timing Chain	89-83	222-3DR102	Double rlr.; 102 Links	
	1	Timing Chain Tensioner	89-83	222-49CT		
	1	Timing Chain Guide	89-83	222-31GP	Slack Side	
	1	Timing Chain Guide	89-83	222-30GP	Tension Side	
	1	Bal. Shaft Chain Guide	89-83	222-51GP	Lower	
	1	Bal. Shaft Chain Guide	89-83	222-64GP	R.H.	
	1	Crank Sprocket	89-83	223-407	Outer; Single row; 34 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	89-85	CS-810		
	1	Camshaft	84	CS-810	From 5/84	
	8	Lifter	89-83	HT-6000	Std Only	Hyd. lash adj.
	8	Lifter, Bulk	89-83	HT-6000B	Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	89-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
4	Arm	89-85	R-958	Exh.		
4	Arm	84	R-958	Exh.; From 5/84		
QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
4	Exhaust	89-85	V-2313	Std Only	Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Exhaust	84	V-2313	Std Only	From 5/84; Nitrided stem; 1.4961" Head Dia., .3126" Stem Dia., 4.1730" O.A.L.	
4	Intake	89-85	V-2312	Std Only	1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
4	Intake	84	V-2312	Std Only	From 5/84; 1.8110" Head Dia., .3135" Stem Dia., 4.2520" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
4	Guide	89-83	VG-714	Exh.; .3160" ID, 2.0500" O.A.L.		
4	Guide	89-83	VG-715	Int.; .3155" ID, 1.8500" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
8	Spring	89-85	VS-1461	Exh. & Int.; 1.9600" Free Height		
8	Spring	84	VS-1461	Exh. & Int.; From 5/84; 1.9600" Free Height		
8	Spring, Bulk	89-85	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height		
8	Spring, Bulk	84	VS-1461B	Exh. & Int.; From 5/84; Carton of 250; 1.9600" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	89-83	ST-2083	Exh. & Int.; Positive type; Rubber		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Int.	89-83	245-1875-51	Std Only	1.8820" OD, 1.5750" ID, .3170" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	89-83	VK-232			
8	Spring Insert	89-83	259-821B	.060"; Case hardened; Carton of 48		

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

2.6L 2555cc SOHC L4 (8 Valve), 91.1mm Bore 1989-83 4					
L/D Truck Eng. Code "G54B" 1983-89 (cont.)					
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89-83	H605P Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head
	4	Cast Piston - Individual	89-83	WH605P Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.395" CD, .8662" Pin Dia., Flat Head
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-84	E-439KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-439KC Std-.50-.75-1.00-1.50MM	From 6/83; 2-1.50MM, 1-4.00MM
	1	Premium Set	83	E-425KC1.00MM 1.00MM	To 5/83; 2-2.00MM, 1-4.00MM
	1	Standard Set	89-84	E-439X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83	E-439X Std-.50-.75-1.00MM	From 6/83; 2-1.50MM, 1-4.00MM
	1	Standard Set	83	E-425X1.00MM 1.00MM	To 5/83; 2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-84	WE-439KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83	WE-439KC Std-.50-.75-1.00MM	From 6/83; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83	WE-425KC Std-.50-.75-1.00MM	To 5/83; 2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-83	6618M Std-.25-.50-.75MM	
	1	Rod Set	89-83	4-66675P Std-.25-.50-.75-1.00MM	
	1	Cam Set	89-83	1858M Std Only	
	1	Aux. Shaft Set	89-83	1805M	Rear bal. shaft; Aux. shaft
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	89-83	224-41914	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	89-83	260-1155	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Head Bolt Set	89-83	260-2513	Replacement recommended
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	89-83	381-8098	Eng. Code "G54B"
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	89-84	Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-750 205-750M	205-250 205-250M
	83	To 5/83; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-745 205-745M	205-245 205-245M
	83	From 6/83; Exh. pipe packing not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-750 205-750M	205-250 205-250M
3.0L 2972cc SOHC V6 (12 Valve), 91.1mm Bore 1990-89 5					
L/D Truck Eng. Code "6G72" 1989-95					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-89	222-139	
	1	Timing Belt Tensioner	90-89	222-195BT	
	1	Timing Belt & Tensioner Set	90-89	BTS-139	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-865	L.H. Front; 16" length w/gear; Hyd. rlr.
	1	Camshaft	90-89	CS-864	R.H. Rear; 14.5" length; Hyd. rlr.
	12	Lifter	90-89	HT-6000 Std Only	Hyd. lash adj.
	12	Lifter, Bulk	90-89	HT-6000B Std Only	Hyd. lash adj.; Carton of 128
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-89	KC-865	Front; Incl. 16" L.H. Front rlr. camshaft w/gear; Incl. (1) CS-865, (6) HT-6000, (1) 55-403B
	1	Cam/Lifter Kit	90-89	KC-866	Front & Rear; Incl. 14.5" R.H. Rear & 16" L.H. Front rlr. camshafts w/gear; Incl. (1) CS-864, (1) CS-865, (6) HT-6000, (1) 55-403B
	1	Cam/Lifter Kit	90-89	KC-864	Rear; Incl. 14.5" R.H. Rear rlr. camshaft w/gear; Incl. (1) CS-864, (6) HT-6000, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Arm	90-89	R-1003	w/Mech. lifters
	12	Arm	90-89	R-1122	w/Rlr. lifters
	2	Rocker Shaft	90-89	RS-699	Exh.

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

5 3.0L 2972cc SOHC V6 (12 Valve), 91.1mm Bore 1990-89 (cont.) L/D Truck Eng. Code "6G72" 1989-95					
VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	2	Rocker Shaft	90-89	RS-700	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	90-89	V-3952 Std Only	Nitrided stem; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.
	6	Exhaust, Bulk	90-89	V-3952B Std Only	1 groove; Nitrided stem; Carton of 25; 1.3750" Head Dia., .3125" Stem Dia., 4.0430" O.A.L.
	6	Intake	90-89	V-2563 Std Only	Nitrided stem; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.
	6	Intake, Bulk	90-89	V-2563B Std Only	Nitrided stem; Carton of 25; 1.6920" Head Dia., .3133" Stem Dia., 4.0660" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	90-89	VG-13152	Exh.; w/cir-clip & groove; .002" O/S OD; .3150" ID, 1.8900" O.A.L.
	6	Guide	90-89	VG-1315	Exh.; w/cir-clip & groove; .3150" ID, 1.8900" O.A.L.
	6	Guide, Bulk	90-89	VG-1315B	Exh.; w/cir-clip & groove; Carton of 50; .3150" ID, 1.8900" O.A.L.
VALVE TRAIN	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	90-89	VS-1461	Exh. & Int.; 1.9600" Free Height
	12	Spring, Bulk	90-89	VS-1461B	Exh. & Int.; Carton of 250; 1.9600" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	90-89	ST-2037	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	90-89	245-1562-69 Std Only	1.5695" OD, 1.2190" ID, .3170" Depth
	6	Int.	90-89	245-1750-61 Std Only	1.7570" OD, 1.4450" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-89	VK-232	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90	H834CP Std-.50-.75-1.00-1.50MM	Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	6	Cast Piston	89	H834CP Std-.50-.75-1.00-1.50MM	From 2/89; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	6	Cast Piston - Individual	89	WH834CP Std-.50-.75-1.00-1.50MM	From 2/89; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, .8661" Pin Dia., Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	90	6KH834CP Std-.50-.75-1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings	89	6KH834CP Std-.50-.75-1.00MM	From 2/89; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 1.252" CD, Recessed Head .125" deep w/2 valve reliefs; Repl. both L.H. & R.H. pistons; DurOshield® skirt coated piston
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-528KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-89	E-528X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-89	WE-528KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7090M Std-.25-.50-.75MM	
	1	Thrust Washer Set	90-89	1736AF Std Only	Position 3
	1	Rod Set	90-89	6-1735CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-43651	Mighty Max, Montero
	1	Oil Pump	89	224-43651	
	1	Pump Repair Kit	90	224-51385	Montero; Pickup
	1	Pump Repair Kit	89	224-51385	From 5/88; Montero
	1	Pump Repair Kit	89	224-51385	From 6/89; Pickup
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-89	260-1839	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl. Replacement recommended
	1	Head Bolt Set	90-89	260-2516	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-89	381-8090	

(continued on next page)

Mitsubishi Truck (Includes Minivans and SUV's)

3.0L 2972cc SOHC V6 (12 Valve), 91.1mm Bore 1990-89 5					
L/D Truck Eng. Code "6G72" 1989-95 (cont.)					
K I T S	RE-RING KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	90-89	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6882 205-6882M	205-1882 205-1882M
	OVERHAUL KIT			PREMIUM	ECONOMY
	YEARS	DESCRIPTION		KIT NO.	KIT NO.
	90-89	To 11/92; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. H834CP piston	Block w/Pump & Freeze Plugs Block	BKP-6301 BK-6301	----- -----
3.3L 3298cc OHV Turbo-Diesel L4 (8 Valve), 100mm Bore 1987 6					
L/D Truck Eng. Code "4D31-T" 1987-91					
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
1	Pin Bushing Set	87	4-67284Y		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	87	7081M	Std.-.25-.50MM	
1	Thrust Washer Set	87	1601BF	Std Only	

Nissan Car

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.2L 1171cc OHV L4 73mm Bore (8 Valve)	1973-71	1	2.0L 1952cc SOHC L4 85mm Bore (8 Valve).....	1981-74	18
1.2L 1189cc OHV L4 73mm Bore (8 Valve)	1965-59	2	2.0L 1952cc SOHC L4 85mm Bore (8 Valve).....	1981-80	19
1.2L 1237cc OHV L4 75mm Bore (8 Valve)	1982-80	3	2.0L 1974cc SOHC L4 84.5mm Bore (8 Valve).....	1989-82	20
1.3L 1288cc OHV L4 73mm Bore (8 Valve)	1974	4	2.0L 1982cc OHV L4 87.2mm Bore (8 Valve)	1970-67	21
1.3L 1299cc OHV L4 73mm Bore (8 Valve)	1967-65	5	2.2L 2187cc SOHC L4 87mm Bore (8 Valve).....	1983-82	22
1.4L 1397cc OHV L4 76mm Bore (8 Valve)	1982-75	6	2.4L 2389cc SOHC L4 89mm Bore (12 Valve).....	1990-89	23
1.5L 1487cc OHV L4 76mm Bore (8 Valve)	1982-79	7	2.4L 2393cc SOHC L6 83mm Bore (12 Valve).....	1984-70	24
1.5L 1487cc SOHC L4 76mm Bore (8 Valve).....	1983-81	8	2.6L 2565cc SOHC L6 83mm Bore (12 Valve).....	1974	25
1.5L 1487cc SOHC Turbo L4 76mm Bore (8 Valve).....	1984-83	9	2.8L 2753cc SOHC L6 86mm Bore (12 Valve).....	1983-75	26
1.6L 1595cc SOHC L4 83mm Bore (8 Valve).....	1973-68	10	2.8L 2753cc SOHC Turbo L6 86mm Bore (12 Valve).....	1983-81	27
1.6L 1595cc OHV L4 87.2mm Bore (8 Valve)	1970-66	11	2.8L 2793cc SOHC Diesel L6 84.5mm Bore (12 Valve).....	1983-81	28
1.6L 1597cc SOHC L4 76mm Bore (8 Valve).....	1988-83	12	3.0L 2960cc SOHC V6 87mm Bore (12 Valve)	1990-84	29
1.6L 1597cc SOHC L4 76mm Bore (12 Valve).....	1990-89	13	3.0L 2960cc DOHC V6 87mm Bore (24 Valve)	1990	30
1.7L 1680cc SOHC Diesel L4 80mm Bore (8 Valve).....	1986-83	14	3.0L 2960cc DOHC Turbo V6 87mm Bore (24 Valve).....	1990	31
1.8L 1770cc SOHC L4 85mm Bore (8 Valve).....	1974-73	15	3.0L 2960cc SOHC Turbo V6 87mm Bore (12 Valve).....	1989-84	32
1.8L 1809cc DOHC L4 83mm Bore (16 Valve)	1989-88	16	4.5L 4494cc DOHC V8 93mm Bore (32 Valve)	1990	33
1.8L 1809cc SOHC Turbo L4 83mm Bore (8 Valve).....	1987-84	17			

Nissan Car

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
A12	1.2L 1171cc OHV L4 73mm Bore (8 Valve)	1	L20B	2.0L 1952cc SOHC L4 85mm Bore (8 Valve)	18
A12A	1.2L 1237cc OHV L4 75mm Bore (8 Valve)	3	L24	2.4L 2393cc SOHC L6 83mm Bore (12 Valve)	24
A13	1.3L 1288cc OHV L4 73mm Bore (8 Valve)	4	L24E	2.4L 2393cc SOHC L6 83mm Bore (12 Valve)	24
A14	1.4L 1397cc OHV L4 76mm Bore (8 Valve)	6	L26	2.6L 2565cc SOHC L6 83mm Bore (12 Valve)	25
A15	1.5L 1487cc OHV L4 76mm Bore (8 Valve)	7	L28E	2.8L 2753cc SOHC L6 86mm Bore (12 Valve)	26
CA18DE	1.8L 1809cc DOHC L4 83mm Bore (16 Valve)	16	L28ET	2.8L 2753cc SOHC Turbo L6 86mm Bore (12 Valve)	27
CA18ET	1.8L 1809cc SOHC Turbo L4 83mm Bore (8 Valve)	17	R	1.6L 1595cc OHV L4 87.2mm Bore (8 Valve)	11
CA20E	2.0L 1974cc SOHC L4 84.5mm Bore (8 Valve)	20	SRLU	2.0L 1982cc OHV L4 87.2mm Bore (8 Valve)	21
CA20S	2.0L 1974cc SOHC L4 84.5mm Bore (8 Valve)	20	VE30DE	3.0L 2960cc DOHC V6 87mm Bore (24 Valve)	30
CD17	1.7L 1680cc SOHC Diesel L4 80mm Bore (8 Valve)	14	VG30	3.0L 2960cc SOHC V6 87mm Bore (12 Valve)	29
E1	1.2L 1189cc OHV L4 73mm Bore (8 Valve)	2	VG30D	3.0L 2960cc DOHC V6 87mm Bore (24 Valve)	30
E15	1.5L 1487cc SOHC L4 76mm Bore (8 Valve)	8	VG30DE	3.0L 2960cc DOHC V6 87mm Bore (24 Valve)	30
E15ET	1.5L 1487cc SOHC Turbo L4 76mm Bore (8 Valve)	9	VG30DETT	3.0L 2960cc DOHC Turbo V6 87mm Bore (24 Valve)	31
E15T	1.5L 1487cc SOHC Turbo L4 76mm Bore (8 Valve)	9	VG30DTT	3.0L 2960cc DOHC Turbo V6 87mm Bore (24 Valve)	31
E16	1.6L 1597cc SOHC L4 76mm Bore (8 Valve)	12	VG30E	3.0L 2960cc SOHC V6 87mm Bore (12 Valve)	29
E16I	1.6L 1597cc SOHC L4 76mm Bore (8 Valve)	12	VG30T	3.0L 2960cc SOHC Turbo V6 87mm Bore (12 Valve)	32
E16S	1.6L 1597cc SOHC L4 76mm Bore (8 Valve)	12	VH45DE	4.5L 4494cc DOHC V8 93mm Bore (32 Valve)	33
GA16I	1.6L 1597cc SOHC L4 76mm Bore (12 Valve)	13	VK45DE	4.5L 4494cc DOHC V8 93mm Bore (32 Valve)	33
J	1.3L 1299cc OHV L4 73mm Bore (8 Valve)	5	V30E	3.0L 2960cc SOHC V6 87mm Bore (12 Valve)	29
J13	1.3L 1299cc OHV L4 73mm Bore (8 Valve)	5	V30ET	3.0L 2960cc SOHC Turbo V6 87mm Bore (12 Valve)	32
KA24E	2.4L 2389cc SOHC L4 89mm Bore (12 Valve)	23	Z20E	2.0L 1952cc SOHC L4 85mm Bore (8 Valve)	19
LD28	2.8L 2793cc SOHC Diesel L6 84.5mm Bore (12 Valve)	28	Z20S	2.0L 1952cc SOHC L4 85mm Bore (8 Valve)	19
L16	1.6L 1595cc SOHC L4 83mm Bore (8 Valve)	10	Z22E	2.2L 2187cc SOHC L4 87mm Bore (8 Valve)	22
L18	1.8L 1770cc SOHC L4 85mm Bore (8 Valve)	15			

1 1.2L 1171cc OHV L4 (8 Valve), 73mm Bore 1973-71 Eng. Code "A12" 1971-73

		QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
		16	Keeper	73-71	VK-215			
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION			
	1	Main Set	73-71	7135M	Std-.25MM			
	1	Rod Set	73-71	4-67320CP	Std Only			
	1	Cam Set	73-71	1592M	Std Only			
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
	1	Oil Pump	73-71	224-41908				
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
	1	Brass Block Plug Kit	73-71	381-8025				

2 1.2L 1189cc OHV L4 (8 Valve), 73mm Bore 1965-59 Eng. Code "E1" 1959-65

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Cam Sprocket	65-61	223-470	40 Teeth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	Cast Piston	65-61	12012NP	Std Only Use w/E-368KC or E-368X ring set; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 32.5mm CD, 17.5mm Pin Dia., Flat Head
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	65-61	2056BF	Std Only Position 2

(continued on next page)

Nissan Car

1.2L 1189cc OHV L4 (8 Valve), 73mm Bore 1965-59 2				
Eng. Code "E1" 1959-65 (cont.)				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	(cont.) Rod Set	65-61	4-4245CP	Std-.25-.50-1.00MM 4-4245CA 1.50MM avail. as unplated & resizeable
1	Cam Set	65-61	1734M	Std Only
1	Cam Set	65-59	1325M	Std Only Export only
1.2L 1237cc OHV L4 (8 Valve), 75mm Bore 1982-80 3				
Eng. Code "A12A" 1979-82				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	82-80	245-1312-52	Std Only 1.087" ID top taper; 1.3195" OD, 1.0600" ID, .2400" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	82-80	VK-215	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	82-80	WE-362KC	Std Only 2-2.00MM, 1-4.00MM; w/Deep oil groove
4	Standard Single Cylinder Set	82-80	WE-362X	Std Only 2-2.00MM, 1-4.00MM; w/Deep oil groove
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	82-80	7135M	Std-.25MM
1	Rod Set	82-80	4-67320CP	Std Only
1	Cam Set	82-80	1592M	Std Only
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	82	224-41908	To 1/82
1	Oil Pump	81-80	224-41908	
1.3L 1288cc OHV L4 (8 Valve), 73mm Bore 1974 4				
Eng. Code "A13" 1972-74				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	74	245-1312-52	Std Only 1.087" ID top taper; 1.3195" OD, 1.0600" ID, .2400" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	74	VK-215	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	74	7135M	Std-.25MM
1	Rod Set	74	4-67320CP	Std Only
1	Cam Set	74	1592M	Std Only
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	74	224-41908	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	74	381-8025	
1.3L 1299cc OHV L4 (8 Valve), 73mm Bore 1967-65 5				
Eng. Codes "J13" 1963-67				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Cam Sprocket	67-65	223-470	40 Teeth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	67-65	12012NP	Std Only Cast; 2-2.00mm, 1-4.00mm Ring Groove, 32.5mm CD, 17.5mm Pin Dia., Flat Head
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	67-65	2056BF	Std Only Position 2
1	Rod Set	67-65	4-4245CP	Std-.25-.50-1.00MM 4-4245CA 1.50MM avail. as unplated & resizeable
1	Cam Set	67-65	1734M	Std Only
1	Cam Set	67-65	1325M	Std Only Export only
1.4L 1397cc OHV L4 (8 Valve), 76mm Bore 1982-75 6				
Eng. Code "A14" 1975-82				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	82-75	245-1312-52	Std Only 1.087" ID top taper; 1.3195" OD, 1.0600" ID, .2400" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	82-75	VK-215	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	82-81	E-365X	Std-.75MM Calif.; 2-2.00MM, 1-4.00MM
1	Standard Set	80-75	E-365X	Std-.75MM 2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	82-81	WE-365KC	Std Only Calif.; 2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	82-81	WE-426KC	Std-.75MM Exc. Calif.; 1-1.20MM, 1-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	80-75	WE-365KC	Std Only 2-2.00MM, 1-4.00MM
4	Standard Single Cylinder Set	82-81	WE-365X	Std-.50-.75-1.00MM Calif.; 2-2.00MM, 1-4.00MM

(continued on next page)

Nissan Car

6 1.4L 1397cc OHV L4 (8 Valve), 76mm Bore 1982-75 (cont.) Eng. Code "A14" 1975-82					
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Standard Single Cylinder Set	80-75	WE-365X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-75	7135M Std-.25MM	
	1	Rod Set	82-75	4-67320CP Std Only	
1	Cam Set	82-75	1592M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	82	224-41908	To 1/82	
1	Oil Pump	81-75	224-41908		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	82-75	381-8025		
7 1.5L 1487cc OHV L4 (8 Valve), 76mm Bore 1982-79 Eng. Code "A15" 1979-82					
BLOCK	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	82-79	245-1312-52 Std Only	1.087" ID top taper; 1.3195" OD, 1.0600" ID, .2400" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	82-79	VK-215	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	82-80	12182P1.00MM 1.00MM	Cast; 1-1.20mm, 1-2.00mm, 1-4.00mm Ring Groove, 30.0mm CD, 19.0mm Pin Dia., Recessed Head	
4	Cast Piston - Individual	82-80	W12182P1.00MM 1.00MM	Cast; 1-1.20mm, 1-2.00mm, 1-4.00mm Ring Groove, 30.0mm CD, 19.0mm Pin Dia., Recessed Head	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
4	Premium Single Cylinder Set	82-79	WE-426KC Std-.75MM	1-1.20MM, 1-2.00MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	82-80	7135M Std-.25MM		
1	Rod Set	82-80	4-67320CP Std Only		
1	Cam Set	82-80	1592M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	82	224-41908	To 1/82	
1	Oil Pump	81-79	224-41908		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	82-79	381-8025		
8 1.5L 1487cc SOHC L4 (8 Valve), 76mm Bore 1983-81 Eng. Code "E15" 1982-83					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	83-81	222-77	
	1	Timing Belt Tensioner	83-81	222-75BT	
	1	Crank Sprocket	83-81	223-2923	20 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
4	Arm	83-82	R-935		
1	Rocker Shaft	83-82	RS-654		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	83-82	VS-1508	1.8790" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	83-82	ST-2070	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	83-82	245-1562-66 Std Only	1.5695" OD, 1.2650" ID, .2800" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	83-82	VK-243		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-81	E-473KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-81	E-473X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-81	WE-473KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	83-81	WE-473X Std-.50-.75MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	83-81	7210M Std-.25-.50MM		
1	Rod Set	83-81	4-66780CP Std-.25-.50-.75MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	83-82	260-1279	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	

(continued on next page)

Nissan Car

1.5L 1487cc SOHC L4 (8 Valve), 76mm Bore 1983-81 8					
Eng. Code "E15" 1982-83 (cont.)					
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	83-82	381-8068		
RE-RING KIT				PREMIUM	ECONOMY
YEARS	DESCRIPTION			KIT NO.	KIT NO.
83-82	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6049	205-1049
1.5L 1487cc SOHC Turbo L4 (8 Valve), 76mm Bore 1984-83 9					
Eng. Codes "E15ET" 1983-84, "E15T" 1983-84					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	84-83	222-77		
1	Timing Belt Tensioner	84-83	222-75BT		
1	Crank Sprocket	84-83	223-2923	20 Teeth	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
4	Arm	84-83	R-935		
1	Rocker Shaft	84-83	RS-654		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	84-83	VS-1508	1.8790" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	84-83	ST-2070	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	84-83	245-1562-66	Std Only 1.5695" OD, 1.2650" ID, .2800" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	84-83	VK-243		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	84-83	7210M	Std-.25-.50MM	
1	Rod Set	84-83	4-66780CP	Std-.25-.50-.75MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	84-83	260-1279	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	84-83	381-8068		
1.6L 1595cc SOHC L4 (8 Valve), 83mm Bore 1973-68 10					
Eng. Code "L16" 1968-73					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Chain Tensioner	73-68	222-7CT		
1	Crank Sprocket	73-68	223-463	20 Teeth	
1	Cam Sprocket	73	223-462	510; 40 Teeth	
1	Cam Sprocket	72-68	223-462	40 Teeth	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	73-68	VG-734	.3153" ID, 2.3250" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	73-68	VS-754	Inner; 1.7800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	73-68	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	73-72	245-1812-50	Std Only From 9/72; 1.8195" OD, 1.4900" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	73-68	VK-215		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	73-68	E-366KC	Std Only 2-2.00MM, 1-4.00MM	
1	Standard Set	73-68	E-366X	Std Only 2-2.00MM, 1-4.00MM	
4	Standard Single Cylinder Set	73-68	WE-366X	Std Only 2-2.00MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	73-68	7137M	Std-.25MM	
1	Rod Set	73-68	4-67230CP	Std-.25-.50-.75-1.00MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	73-68	224-41901		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	73-68	260-1060	Premium valve stem seals incl.	

(continued on next page)

Nissan Car

10 1.6L 1595cc SOHC L4 (8 Valve), 83mm Bore 1973-68 (cont.) Eng. Code "L16" 1968-73						
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Steel Block Plug Kit	73-69	381-4036		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	73-68	Premium valve stem seals incl.		Re-ring	-----	205-311
11 1.6L 1595cc OHV L4 (8 Valve), 87.2mm Bore 1970-66 Eng. Code "R16" 1966-70						
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Standard Set	70-66	E-577X Std.-.50-.75MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Rod Set	70-66	4-67015CP Std.-.25-.50MM		
	1	Cam Set	70-66	1570M Std Only		
12 1.6L 1597cc SOHC L4 (8 Valve), 76mm Bore 1988-83 Eng. Codes "E16" 1983-87, "E16I" 1986-88, "E16S" 1986-88						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Belt	88-83	222-77		
	1	Timing Belt Tensioner	88-83	222-75BT		
	1	Crank Sprocket	88-83	223-2923	20 Teeth	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	88-83	R-935		
	1	Rocker Shaft	88-83	RS-654		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	87-83	V-2325 Std Only	Nitrided stem; 1.1830" Head Dia., .2740" Stem Dia., 4.5700" O.A.L.	
	4	Intake	87-83	V-2316 Std Only	Nitrided stem; 1.4560" Head Dia., .2747" Stem Dia., 4.5940" O.A.L.	
B L O C K	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	B L O C K
	8	Spring	87-83	VS-1508	1.8790" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	88-83	ST-2070	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	87-83	245-1562-66 Std Only	1.5695" OD, 1.2650" ID, .2800" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	88-83	VK-243		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	88-83	E-473KC Std.-.50-.75MM	2-1.50MM, 1-4.00MM	
K I T S	1	Standard Set	88-83	E-473X Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	K I T S
	4	Premium Single Cylinder Set	88-83	WE-473KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Standard Single Cylinder Set	88-83	WE-473X Std.-.50-.75MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	88-83	7210M Std.-.25-.50MM		
	1	Rod Set	88-83	4-66780CP Std.-.25-.50-.75MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	88-86	260-1490	Eng. Codes "E16I" & "E16S"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87-83	260-1279	Eng. Code "E16"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	88-83	381-8068		
K I T S	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	88-86	Eng. Codes "E16I" & "E16S"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6167	205-1167
K I T S	YEARS	DESCRIPTION				
	87-83	Eng. Code "E16"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6049	205-1049
13 1.6L 1597cc SOHC L4 (12 Valve), 76mm Bore 1990-89 Eng. Code "GA16I" 1989-90						
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain	90-89	222-S92T2X	92 Links	
	1	Timing Chain Tensioner	90-89	222-179CT		

(continued on next page)

Nissan Car

1.6L 1597cc SOHC L4 (12 Valve), 76mm Bore 1990-89 13																							
Eng. Code "GA16I" 1989-90 (cont.)																							
VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION																		
	1	Timing Chain Guide	90-89	222-181GP	Slack Side																		
	1	Timing Chain Guide	90-89	222-180GP	Tension Side																		
	1	Crank Sprocket	90-89	223-693	19 Teeth																		
	1	Cam Sprocket	90-89	223-686	38 Teeth																		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION																		
	1	Rocker Shaft	90-89	RS-728																			
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION																		
	4	Exhaust	90-89	V-2594X Std Only	Nitrided stem; 1.2953" Head Dia., .2585" Stem Dia., 4.5748" O.A.L.																		
	8	Intake	90-89	V-2596 Std Only	Nitrided stem; 1.1457" Head Dia., .2350" Stem Dia., 4.4705" O.A.L.																		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION																		
	4	Valve Stem Seal	90-89	ST-2101	Exh.; Positive type; Rubber																		
	4	Valve Stem Seal	90-89	ST-2081	Int.; Positive type; Rubber																		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION																		
	16	Keeper	90-89	VK-250																			
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																		
	1	Premium Set	90-89	E-561KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM																		
	1	Standard Set	90-89	E-561X Std Only	2-1.50MM, 1-2.80MM																		
	4	Premium Single Cylinder Set	90-89	WE-561KC Std Only	2-1.50MM, 1-2.80MM																		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																		
	1	Main Set	90-89	7257M Std-.25-.50MM																			
	1	Thrust Washer Set	90-89	4693F Std Only	Position 3																		
	1	Rod Set	90-89	4-66780CP Std-.25-.50-.75MM																			
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION																		
	1	Oil Pump	90-89	224-43622																			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION																		
	1	Kit Gasket Set	90-89	260-1763	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.																		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION																		
	1	Brass Block Plug Kit	90-89	381-8094																			
<table> <tr> <th colspan="2">OVERHAUL KIT</th><th colspan="2"></th><th>PREMIUM KIT NO.</th><th>ECONOMY KIT NO.</th></tr> <tr> <th>YEARS</th><th>DESCRIPTION</th><th></th><th></th><th></th><th></th></tr> <tr> <td>90-89</td><td>PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.</td><td>Block w/Pump & Freeze Plugs Block</td><td></td><td>BKP-6303 BK-6303</td><td>----- -----</td></tr> </table>						OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	YEARS	DESCRIPTION					90-89	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block		BKP-6303 BK-6303	----- -----
OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.																		
YEARS	DESCRIPTION																						
90-89	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block		BKP-6303 BK-6303	----- -----																		
1.7L 1680cc SOHC Diesel L4 (8 Valve), 80mm Bore 1986-83 14																							
Eng. Code "CD17" 1983-87																							
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION																		
	4	Guide	86-83	VG-743	Int.; .2760" ID, 1.7700" O.A.L.																		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION																		
	8	Valve Stem Seal	86-83	ST-2069	Positive type; Rubber																		
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION																		
	4	Exh.	86-83	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth																		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																		
	1	Premium Set	86-83	E-852KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM																		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																		
	1	Main Set	86-83	7012M Std-.25-.50MM																			
	1	Rod Set	86-83	4-1245CP Std-.25-.50-.75MM																			
1.8L 1770cc SOHC L4 (8 Valve), 85mm Bore 1974-73 15																							
Eng. Code "L18" 1973-74																							
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION																		
	1	Timing Chain Tensioner	74-73	222-7CT																			
	1	Crank Sprocket	74-73	223-463	20 Teeth																		
	1	Cam Sprocket	74-73	223-462	40 Teeth																		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION																		
	8	Follower Guide	74-73	MR-1895																			
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION																		
	8	Guide	74-73	VG-734	.3153" ID, 2.3250" O.A.L.																		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION																		
	8	Spring	74-73	VS-754	Inner; 1.7800" Free Height																		

(continued on next page)

Nissan Car

15 1.8L 1770cc SOHC L4 (8 Valve), 85mm Bore 1974-73

(cont.) Eng. Code "L18" 1973-74

QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	74-73	ST-2034	Positive type; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	74-73	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
4	Int.	74-73	245-1812-50 Std Only	1.8195" OD, 1.4900" ID, .3070" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	74-73	VK-215	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	74-73	12159P.75MM .75MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 38.3mm CD, 21.0mm Pin Dia., Recessed Head 1.30mm deep x 73.5mm dia. - 9.5:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	74-73	E-360KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
1	Standard Set	74-73	E-360X Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	74-73	WE-360KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
4	Standard Single Cylinder Set	74-73	WE-360X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	74-73	7137M Std-.25MM	
1	Rod Set	74-73	4-67230CP Std-.25-.50-.75-1.00MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	74-73	224-41901	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	74-73	260-1060	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Steel Block Plug Kit	74-73	381-4036	
RE-RING KIT				
YEARS	DESCRIPTION			
74-73	Premium valve stem seals incl.		Re-ring	
			PREMIUM KIT NO. 205-812	ECONOMY KIT NO. 205-312

16 1.8L 1809cc DOHC L4 (16 Valve), 83mm Bore 1989-88

Eng. Code "CA18DE" 1988-90

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter	89-88	HT-2277 Std Only	Hyd. flat lifter
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	89-88	V-4155 Std Only	1.1024" Head Dia., .2343" Stem Dia., 3.5160" O.A.L.
8	Intake	89-88	V-4070 Std Only	Chrome plated stem; 1.3430" Head Dia., .2350" Stem Dia., 3.4990" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	89-88	ST-2081	Positive type; Rubber
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	89-88	WE-518KC Std Only	2-1.50MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-88	7012M Std-.25-.50MM	
1	Rod Set	89-88	4-1245CP Std-.25-.50-.75MM	

17 1.8L 1809cc SOHC Turbo L4 (8 Valve), 83mm Bore 1987-84

Eng. Code "CA18ET" 1984-87

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	87-84	222-100	
1	Crank Sprocket	87-84	223-2928	20 Teeth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	87-84	VG-743	Int.; .2760" ID, 1.7700" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	87-84	VS-876	Inner; 1.7550" Free Height
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
4	Exh.	87-84	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	87-84	VK-243	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	86-84	WE-518KC Std Only	2-1.50MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	86-84	7012M Std-.25-.50MM	

(continued on next page)

Nissan Car

1.8L 1809cc SOHC Turbo L4 (8 Valve), 83mm Bore 1987-84 17					
Eng. Code "CA18ET" 1984-87 (cont.)					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	(cont.) Rod Set	86-84	4-1245CP	Std-.25-.50-.75MM	
2.0L 1952cc SOHC L4 (8 Valve), 85mm Bore 1981-74 18					
Eng. Code "L20B" 1974-79					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	81-74	222-7CT	
	1	Crank Sprocket	81-74	223-463	20 Teeth
	1	Cam Sprocket	81-74	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Follower Guide	80-77	MR-1895	200SX
	8	Follower Guide	76-74	MR-1895	610
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	81-74	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	81-74	VS-754	Inner; 1.7800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	81-74	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	81-74	245-1500-54	Std Only 1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth	
4	Int.	81-74	245-1812-50	Std Only 1.8195" OD, 1.4900" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	81-74	VK-215		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	81-74	E-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM
	1	Standard Set	81-74	E-360X	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	81-74	WE-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	81-74	WE-360X	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-74	7139M	Std-.25-.50-.75MM
	1	Rod Set	80-74	4-67230CP	Std-.25-.50-.75-1.00MM
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	81	224-41901	To 6/81
1	Oil Pump	80-74	224-41901		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	79-77	260-1159	Premium valve stem seals incl.	
1	Kit Gasket Set	76-74	260-1060	Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	81-74	381-8026		
RE-RING KIT					
YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
79-77	Premium valve stem seals incl.		Re-ring	205-843	205-343
76-74	Premium valve stem seals incl.		Re-ring	205-812	205-312
2.0L 1952cc SOHC L4 (8 Valve), 85mm Bore 1981-80 19					
Eng. Codes "Z20E" 1980-81, "Z20S" 1980-81					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Chain	81-80	222-3DR102	Double rlr.; 102 Links	
1	Timing Chain Tensioner	81-80	222-7CT		
1	Crank Sprocket	81-80	223-463	20 Teeth	
1	Cam Sprocket	81-80	223-462	40 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	81-80	CS-755		
1	Prelube	81-80	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
4	Arm	81-80	R-934	2-4	
1	Rocker Shaft	81-80	RS-653	Int.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	81-80	V-2249	Std Only Nitrided stem; 1.5000" Head Dia., .3125" Stem Dia., 4.9350" O.A.L.	

(continued on next page)

Nissan Car

19 2.0L 1952cc SOHC L4 (8 Valve), 85mm Bore 1981-80 (cont.) Eng. Codes "Z20E" 1980-81, "Z20S" 1980-81

B L O C K	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Intake	81-80	V-2250 Std Only	Nitrided stem; 1.6580" Head Dia., .3140" Stem Dia., 4.8900" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	81-80	VG-760	.3154" ID, 2.6600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	81-80	VS-876	Inner; 1.7550" Free Height
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	81-80	ST-2034	Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	81-80	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	81-80	VK-215	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	81-80	E-455KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	81-80	E-455X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	81-80	WE-455KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	81-80	WE-455X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	1	Main Set	81-80	7139M Std-.25-.50-.75MM	
	1	Rod Set	81-80	4-67230CP Std-.25-.50-.75-1.00MM	
	1	Cam Set	81-80	1865M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	81	224-41901	To 6/81
	1	Oil Pump	80	224-41901	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	81	381-8093	Eng. Code "Z20S"

20 2.0L 1974cc SOHC L4 (8 Valve), 84.5mm Bore 1989-82 Eng. Codes "CA20E" 1984-89, "CA20S" 1982-86

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	89-82	222-78	
	1	Crank Sprocket	89-82	223-2928	20 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	89-84	HT-6011 Std Only	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	89-87	R-1013	Stanza; Sedan & Hatchback
	8	Arm	88-87	R-1013	200SX
	8	Arm	86	R-1013	From 2/86; 200SX, Stanza
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	89-82	V-2326 Std Only	Nitrided stem; 1.3780" Head Dia., .2740" Stem Dia., 4.2520" O.A.L.
	4	Intake	89-84	V-2572 Std Only	1.6200" Head Dia., .2745" Stem Dia., 4.2160" O.A.L.
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	89-82	VG-743	Int.; .2760" ID, 1.7700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	89-82	VS-876	Inner; 1.7550" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	89-82	ST-2069	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	89-84	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	89-82	VK-243	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	88-87	E-474X Std Only	2-1.50MM, 1-4.00MM
B L O C K	1	Standard Set	86-84	E-474X Std Only	Exc. 200SX; 2-1.50MM, 1-4.00MM
	1	Standard Set	83-82	E-474X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	89	WE-520KC Std Only	Stanza; 2-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	88-87	WE-474KC Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86-84	WE-474KC Std Only	Exc. 200SX; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-82	WE-474KC Std Only	2-1.50MM, 1-4.00MM

(continued on next page)

Nissan Car

2.0L 1974cc SOHC L4 (8 Valve), 84.5mm Bore 1989-82 20					
Eng. Codes "CA20E" 1984-89, "CA20S" 1982-86 (cont.)					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-82	7012M	Std-.25-.50MM
	1	Rod Set	88-82	4-1245CP	Std-.25-.50-.75MM
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	89-82	381-8094	
2.0L 1982cc OHV L4 (8 Valve), 87.2mm Bore 1970-67 21					
Eng. Code "U20" 1967-70					
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	70-67	4-67019Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Standard Set	70-67	E-577X	Std-.50-.75MM 1-2.00MM, 1-2.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	70-67	7138M	Std-.25-.50MM
	1	Rod Set	70-67	4-67015CP	Std-.25-.50MM
	1	Cam Set	70-67	1570M	Std Only
2.2L 2187cc SOHC L4 (8 Valve), 87mm Bore 1983-82 22					
Eng. Code "Z22E" 1982-83					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	83-82	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	83-82	222-7CT	
	1	Crank Sprocket	83-82	223-463	20 Teeth
	1	Cam Sprocket	83-82	223-462	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	83-82	CS-755	
	1	Prelube	83-82	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	83-82	R-934	Exh.
	1	Rocker Shaft	83-82	RS-653	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	83-82	V-2249	Std Only Nitrided stem; 1.5000" Head Dia., .3125" Stem Dia., 4.9350" O.A.L.
	4	Intake	83-82	V-2250	Std Only Nitrided stem; 1.6580" Head Dia., .3140" Stem Dia., 4.8900" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	83-82	VG-760	.3154" ID, 2.6600" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	83-82	VS-876	Inner; 1.7550" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	83-82	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	83-82	245-1812-54	Std Only 1.8195" OD, 1.4050" ID, .3150" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	83-82	VK-215		
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-82	E-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
	1	Standard Set	83-82	E-475X	Std-.50-.75-1.00MM 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-82	WE-475KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83-82	7139M	Std-.25-.50-.75MM
	1	Rod Set	83-82	4-67230CP	Std-.25-.50-.75- 1.00MM
	1	Cam Set	83-82	1865M	Std Only
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	83-82	224-41901	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	83-82	260-1282	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	83-82	381-8093		
RE-RING KIT				PREMIUM	ECONOMY
YEARS	DESCRIPTION			KIT NO.	KIT NO.
83-82	Premium valve stem seals incl.	Re-ring		205-6052	-----

Nissan Car

23 2.4L 2389cc SOHC L4 (12 Valve), 89mm Bore 1990-89 Eng. Code "KA24E" 1989-92

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	90-89	222-SR102T2	102 Links
	1	Timing Chain Tensioner	90-89	222-176CT	
	1	Timing Chain Guide	90-89	222-178GP	Slack Side
	1	Timing Chain Guide	90-89	222-177GP	Tension Side
	1	Crank Sprocket	90-89	223-699	18 Teeth
	1	Cam Sprocket	90-89	223-694	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-89	CS-1543	Lifter is part of rocker arm assy.
	1	Prelube	90-89	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
V A L V E T R A I N	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	2	Arm	90-89	R-1020	Exh. 1-3; Rocker arm w/lifter (integral type)
	2	Arm	90-89	R-1021	Exh. 2-4; Rocker arm w/lifter (integral type)
	4	Arm	90-89	R-1018	Int. Front; Rocker arm w/lifter (integral type)
	4	Arm	90-89	R-1019	Int. Rear; Rocker arm w/lifter (integral type)
	1	Rocker Shaft	90-89	RS-726	Exh.
	1	Rocker Shaft	90-89	RS-727	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-89	V-2581X Std Only	Chrome plated stem; 1.5780" Head Dia., .3130" Stem Dia., 4.8140" O.A.L.
	8	Intake	90-89	V-2580 Std Only	Chrome plated stem; 1.3440" Head Dia., .2745" Stem Dia., 4.7770" O.A.L.
V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-89	VG-813	Exh.; .3100" ID, 2.2000" O.A.L.
	8	Guide	90-89	VG-812	Int.; .2760" ID, 2.0700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	4	Spring	90-89	VS-944	Exh. Inner; 1.9000" Free Height
	4	Spring	90-89	VS-941	Exh. Outer; 2.1000" Free Height
	8	Spring	90-89	VS-942	Int. Inner; 2.1200" Free Height
	8	Spring	90-89	VS-943	Int. Outer; 2.2500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	4	Valve Stem Seal	90-89	ST-2069	Exh.; Positive type; Rubber
	8	Valve Stem Seal	90-89	ST-2034	Int.; Positive type; Viton®
V A L V E T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	90-89	245-1687-56 Std Only	1.6945" OD, 1.3750" ID, .2950" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-89	VK-249	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	90-89	4K13598PA Std-.50-1.00MM	Cast; 2-1.50mm, 1-2.80mm Ring Groove, 1.326" CD, 21.0mm Pin Dia., Recessed Head .030" deep x 3.072" dia.; Anodized top
	4	Pin Bushing	90-89	4464Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-89	E-559KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	90-89	WE-559KC Std Only	2-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7285M Std-.25-.50MM	
	1	Rod Set	90-89	4-4460P Std-.25-.50MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-43637	Stanza
	1	Oil Pump	90-89	224-43451	240SX
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90	260-1795	Stanza; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	90-89	260-1754	240SX; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-89	381-8093	
K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	90	Stanza; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6886 205-6886M	----- -----
	90-89	240SX; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6885 205-6885M	----- -----

Nissan Car

2.4L 2393cc SOHC L6 (12 Valve), 83mm Bore 1984-70 24					
Eng. Codes "L24" 1970-73, "L24E" 1977-84					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	84-77	223-463	20 Teeth
	1	Crank Sprocket	73-70	223-463	20 Teeth
	1	Cam Sprocket	84-77	223-462	40 Teeth
	1	Cam Sprocket	73-70	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Follower Guide	84-77	MR-1895	
	12	Follower Guide	73-70	MR-1895	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
12	Guide	84-77	VG-734	.3153" ID, 2.3250" O.A.L.	
12	Guide	73-70	VG-734	.3153" ID, 2.3250" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
12	Spring	84-77	VS-754	Inner; 1.7800" Free Height	
12	Spring	73-70	VS-754	Inner; 1.7800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	84-77	ST-2034	Positive type; Viton®	
12	Valve Stem Seal	73-70	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Exh.	84-77	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	84-77	VK-215		
24	Keeper	73-70	VK-215		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-82	E-491KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Premium Set	81	E-491KC Std-.50-.75MM	From 7/81; 2-1.50MM, 1-4.00MM
	1	Standard Set	84-82	E-491X Std Only	2-1.50MM, 1-4.00MM
	1	Standard Set	81	E-491X Std Only	From 7/81; 2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	84-82	WE-491KC Std-.50MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	81	WE-491KC Std-.50MM	From 7/81; 2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-77	7136M Std-.25MM	
	1	Main Set	73-70	7136M Std-.25MM	
	1	Rod Set	82-77	6-67230CP Std-.25-.50-.75MM	
	1	Rod Set	73-70	6-67230CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	83-81	224-41901	
1	Oil Pump	79-77	224-41901		
1	Oil Pump	73-70	224-41901		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	84-77	381-8027		
1	Brass Block Plug Kit	73-70	381-8027		
2.6L 2565cc SOHC L6 (12 Valve), 83mm Bore 1974 25					
Eng. Code "L26" 1974					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	74	223-463	20 Teeth
	1	Cam Sprocket	74	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Follower Guide	74	MR-1895	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	74	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	74	VS-754	Inner; 1.7800" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	74	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
6	Exh.	74	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	74	VK-215		
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	74	7136M Std-.25MM	
1	Rod Set	74	6-67230CP Std-.25-.50-.75MM		

(continued on next page)

Nissan Car

25 2.6L 2565cc SOHC L6 (12 Valve), 83mm Bore 1974

(cont.) Eng. Code "L26" 1974

QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	74	224-41901	To 11/74
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	74	381-8027	

26 2.8L 2753cc SOHC L6 (12 Valve), 86mm Bore 1983-75

Eng. Code "L28E" 1975-83

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	83-75	223-463	20 Teeth
	1	Cam Sprocket	83-75	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	12	Follower Guide	83-75	MR-1895	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	83-75	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	83-75	VS-754	Inner; 1.7800" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	83-75	ST-2034	Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	83-75	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	83-75	VK-215	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	80-75	12149P Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 38.3mm CD, 21.0mm Pin Dia., Recessed Head 3.10mm deep x 74.00mm dia. - 8.3:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-81	E-488KC Std Only	1-1.50MM, 1-2.00MM, 1-4.00MM
	6	Premium Single Cylinder Set	83-81	WE-488KC Std Only	1-1.50MM, 1-2.00MM, 1-4.00MM
	6	Standard Single Cylinder Set	80-75	WE-401X Std Only	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83-75	7136M Std-.25MM	
	1	Rod Set	83-75	6-67230CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	83-75	224-41901	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	83-75	381-8027	

27 2.8L 2753cc SOHC Turbo L6 (12 Valve), 86mm Bore 1983-81

Eng. Code "L28ET" 1981-83

BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Crank Sprocket	83-81	223-463	20 Teeth
	1	Cam Sprocket	83-81	223-462	40 Teeth
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	83-81	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	83-81	VS-754	Inner; 1.7800" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Exh.	83-81	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	83-81	VK-215	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-81	E-488KC Std Only	1-1.50MM, 1-2.00MM, 1-4.00MM
BLOCK	6	Premium Single Cylinder Set	83-81	WE-488KC Std Only	1-1.50MM, 1-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	83-81	7136M Std-.25MM	
	1	Rod Set	83-81	6-67230CP Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	83-81	224-41920	w/A/T
	1	Oil Pump	83-81	224-41919	w/M/T
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	83-81	381-8027	

Nissan Car

2.8L 2793cc SOHC Diesel L6 (12 Valve), 84.5mm Bore 1983-81 **28**

Eng. Code "LD28" 1981-83

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Crank Sprocket	83-81	223-463	20 Teeth
1	Cam Sprocket	83-81	223-462	40 Teeth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	83-81	VG-734	.3153" ID, 2.3250" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	83-81	ST-2034	Positive type; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	83-81	245-1437-61 Std Only	1.4445" OD, 1.1620" ID, .3100" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	83-81	VK-215	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	83-81	7136M Std-.25MM	
1	Rod Set	83-81	6-67230CP Std-.25-.50-.75MM	

3.0L 2960cc SOHC V6 (12 Valve), 87mm Bore 1990-84 **29**

Eng. Codes "V30E" 1984-87, "VG30" 1984-89, "VG30E" 1984-94

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-84	222-104	Square tooth
1	Timing Belt Tensioner	90-84	222-124BT	
1	Timing Belt & Tensioner Set	90-84	BTS-104	Square tooth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-84	CS-844	L.H.; Incl. gear
1	Camshaft	90-84	CS-843	R.H.; Gear not incl.
12	Lifter	90-84	HT-2198 Std Only	
1	Prelube	90-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-84	KC-843	Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 55-403B
1	Cam/Lifter/Timing Kit	90-84	KCT-843	L.H. & R.H. camshafts incl.; Incl. square tooth timing belt; Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 222-104, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm	90-84	R-922	
1	Rocker Shaft	90	RS-648	Exh.
1	Rocker Shaft	90	RS-649	Int.
1	Rocker Shaft	89-88	RS-648	Exh.; Maxima
1	Rocker Shaft	89-88	RS-649	Int.; Maxima
1	Rocker Shaft	89-88	RS-675	Int.; 300ZX
1	Rocker Shaft	88	RS-648	Exh.; 200SX
1	Rocker Shaft	88	RS-649	Int.; 200SX
1	Rocker Shaft	87	RS-675	Int.; From 11/86; 300ZX
1	Rocker Shaft	86	RS-675	300ZX
1	Rocker Shaft	86	RS-648	Exh.; To 10/86; 200SX, Maxima & 300ZX
1	Rocker Shaft	86	RS-649	Int.; To 11/86; 200SX, Maxima & 300ZX
1	Rocker Shaft	85-84	RS-648	Exh.; 200SX, Maxima & 300ZX
1	Rocker Shaft	85-84	RS-649	Int.; 200SX, Maxima & 300ZX
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	90-84	V-2330 Std Only	Nitrided stem; 1.3820" Head Dia., .3138" Stem Dia., 4.9010" O.A.L.
6	Intake	90-84	V-2322 Std Only	Nitrided stem; 1.6570" Head Dia., .2745" Stem Dia., 4.9450" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	90-84	VG-7578	Exh.; .3152" ID, 2.5000" O.A.L.
6	Guide	90-84	VG-7588	Int.; .008" O/S OD; .2760" ID, 2.3100" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-84	VS-876	Inner; 1.7550" Free Height
12	Spring	90-84	VS-1446	Outer; 2.0650" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
6	Valve Stem Seal	90-84	ST-2034	Exh.; Positive type; Viton®
6	Valve Stem Seal	90-84	ST-2069	Int.; Positive type; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Int.	90-84	245-1812-55 Std Only	1.8195" OD, 1.5000" ID, .2780" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	90-84	VK-243	

VALVE TRAIN

VALVE TRAIN

(continued on next page)

Nissan Car

29 3.0L 2960cc SOHC V6 (12 Valve), 87mm Bore 1990-84

(cont.) Eng. Codes "V30E" 1984-87, "VG30" 1984-89, "VG30E" 1984-94

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	90-88	H832CP Std-.50-.75-1.00MM	Hypereutectic; 2-1.50mm, 1-2.80mm Ring Groove, 1.248" CD, .8259" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
	6	Cast Piston	87	H832CP Std-.50-.75-1.00MM	From 4/87; Hypereutectic; 2-1.50mm, 1-2.80mm Ring Groove, 1.248" CD, .8259" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston
	6	Cast Piston	86-85	12490P Std Only	From 6/85 to 7/86; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 32mm CD, 21.0mm Pin Dia., Flat Head w/2 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-84	E-558KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM
	6	Premium Single Cylinder Set	90-84	WE-558KC Std-.50MM	2-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-84	7099M Std-.25-.50-.75MM	
	1	Rod Set	90-84	6-1845CP Std-.25-.50-.75MM	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-88	224-41950	
	1	Oil Pump	87	224-41950	From 4/87
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1784	Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.
	1	Kit Gasket Set	87	260-1784	From 4/1/87; Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.
	1	Kit Gasket Set	87	260-1495	To 3/31/87; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-84	260-1495	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-84	381-8092	Eng. Code "VG30E"
	1	Steel Block Plug Kit	90-84	381-9667	Eng. Code "VG30E"

KITS	RE-RING KIT				Premium Kit No.	Economy Kit No.
	YEARS	DESCRIPTION				
	90-88	Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Re-ring Re-ring w/Mains		205-6784 205-6784M	----- -----
	87	To 3/31/87; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6173	-----
	87	From 4/1/87; Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Re-ring Re-ring w/Mains		205-6784 205-6784M	----- -----
	86-84	PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6173	-----
	OVERHAUL KIT				Premium Kit No.	Economy Kit No.
	YEARS	DESCRIPTION				
	90-88	Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Block w/Pump & Freeze Plugs Block		BKP-6312 BK-6312	----- -----
	87	From 4/87; Head bolts not incl.; Exh. pipe to manifold gskt. not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Block w/Pump & Freeze Plugs Block		BKP-6312 BK-6312	----- -----

30 3.0L 2960cc DOHC V6 (24 Valve), 87mm Bore 1990

Eng. Codes "VE30DE" 1992-94, "VG30D" 1990-96, "VG30DE" 1990-97

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B180	
1	Timing Belt	90	222-104	Square tooth
1	Timing Belt Tensioner	90	222-344BT	
1	Timing Belt & Tensioner Set	90	BTS-104	Square tooth

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Nissan Car

3.0L 2960cc DOHC V6 (24 Valve), 87mm Bore 1990 30					
Eng. Codes "VE30DE" 1992-94, "VG30D" 1990-96, "VG30DE" 1990-97 (cont.)					
VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Belt Idler	90	222-342BT	L.H.; Eng. Code "VG30DE"
	1	Belt Idler	90	222-341BT	R.H.; Eng. Code "VG30DE"
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	24	Lifter	90	HT-2277 Std Only	Hyd. flat lifter
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	24	Arm	90	R-922	
	2	Rocker Shaft	90	RS-648	Exh.
	2	Rocker Shaft	90	RS-649	Int.
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	12	Exhaust	90	V-4198X Std Only	1.1640" Head Dia., .2343" Stem Dia., 4.0810" O.A.L.
	12	Intake	90	V-4065 Std Only	1.3425" Head Dia., .2352" Stem Dia., 4.0630" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90	VG-923	Exh.; .2165" ID, 1.9400" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	24	Spring	90	VS-876	Inner; 1.7550" Free Height
	24	Spring	90	VS-1446	Outer; 2.0650" Free Height
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
BLOCK	12	Int.	90	245-1812-55 Std Only	1.8195" OD, 1.5000" ID, .2780" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90	VK-243	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set w/Prem. Rings	90	6K13601P Std-.50-1.00MM	Eng. Code "VG30DE"; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 1.251" CD, 22.0mm Pin Dia., Flat Head w/4 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-558KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM
	6	Premium Single Cylinder Set	90	WE-558KC Std-.50MM	2-1.50MM, 1-2.80MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90	7322M Std Only	
	1	Rod Set	90	6-4605P Std-.25MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Kit Gasket Set	90	260-1804	Eng. Code "VG30DE"; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Eng. Code "VG30DE"; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for oil pan gskt.	Re-ring Re-ring w/Mains	205-6890 205-6890M	----- -----
3.0L 2960cc DOHC Turbo V6 (24 Valve), 87mm Bore 1990 31					
Eng. Codes "VG30DETT" 1990-96, "VG30DTT" 1990-96					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-B180	
	1	Timing Belt Tensioner	90	222-344BT	
	1	Belt Idler	90	222-342BT	L.H.
	1	Belt Idler	90	222-341BT	R.H.
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	90	HT-2277 Std Only	Hyd. flat lifter
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	12	Exhaust	90	V-4198X Std Only	1.1640" Head Dia., .2343" Stem Dia., 4.0810" O.A.L.
	12	Intake	90	V-4065 Std Only	1.3425" Head Dia., .2352" Stem Dia., 4.0630" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90	VG-923	Exh.; .2165" ID, 1.9400" O.A.L.
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	12	Int.	90	245-1500-77 Std Only	1.235" ID top taper; 1.5000" OD, 1.1750" ID, .2360" Depth
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-558KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM
	6	Premium Single Cylinder Set	90	WE-558KC Std-.50MM	2-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90	7322M Std Only	
	1	Rod Set	90	6-4605P Std-.25MM	

Nissan Car

32 3.0L 2960cc SOHC Turbo V6 (12 Valve), 87mm Bore 1989-84

Eng. Codes "V30ET" 1984-87, "VG30T" 1984-89

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	89-84	222-104	Square tooth
	1	Timing Belt Tensioner	89-84	222-124BT	
	1	Timing Belt & Tensioner Set	89-84	BTS-104	Square tooth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-84	CS-844	L.H.; Incl. gear
	1	Camshaft	89-84	CS-843	R.H.; Gear not incl.
	12	Lifter	89-84	HT-2198 Std Only	
	1	Prelube	89-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	1	Cam/Lifter Kit	89-84	KC-843	Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 55-403B
	1	Cam/Lifter/Timing Kit	89-84	KCT-843	L.H. & R.H. camshafts incl.; Incl. square tooth timing belt; Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 222-104, (1) 55-403B
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm	89-84	R-922	
	1	Rocker Shaft	89-88	RS-675	Int.
	1	Rocker Shaft	87	RS-675	Int.; From 11/86
	1	Rocker Shaft	86	RS-648	Exh.; To 10/86
	1	Rocker Shaft	86	RS-649	Int.; To 10/86
	1	Rocker Shaft	85-84	RS-648	Exh.
	1	Rocker Shaft	85-84	RS-649	Int.
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	89-84	V-2330 Std Only	Nitrided stem; 1.3820" Head Dia., .3138" Stem Dia., 4.9010" O.A.L.
	6	Intake	89-84	V-2322 Std Only	Nitrided stem; 1.6570" Head Dia., .2745" Stem Dia., 4.9450" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	89-84	VG-7578	Exh.; .3152" ID, 2.5000" O.A.L.
	6	Guide	89-84	VG-7588	Int.; .008" O/S OD; .2760" ID, 2.3100" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	89-84	VS-876	Inner; 1.7550" Free Height
	12	Spring	89-84	VS-1446	Outer; 2.0650" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
BLOCK	6	Valve Stem Seal	88-84	ST-2034	Exh.; Positive type; Viton®
	6	Valve Stem Seal	88-84	ST-2069	Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	6	Int.	89-84	245-1812-55 Std Only	1.8195" OD, 1.5000" ID, .2780" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	88-84	VK-243	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-84	E-558KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM
	6	Premium Single Cylinder Set	89-84	WE-558KC Std-.50MM	2-1.50MM, 1-2.80MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
BLOCK	1	Main Set	89-84	7099M Std-.25-.50-.75MM	
	1	Rod Set	89-84	6-1845CP Std-.25-.50-.75MM	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	87	260-1495	To 3/31/87; Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	86-84	260-1495	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	89-84	381-8092	
	1	Steel Block Plug Kit	89-84	381-9667	
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	87	To 3/31/87; Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6173	----
KITS	86-84	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring	205-6173	----

Nissan Car

4.5L 4494cc DOHC V8 (32 Valve), 93mm Bore 1990 33 Eng. Codes "VH45DE" 1990-96, "VK45DE" 2002-2006				
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90	VG-813	Exh.; .3100" ID, 2.2000" O.A.L.
16	Guide	90	VG-812	Int.; .2760" ID, 2.0700" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	90	ST-2069	Exh.; Positive type; Rubber
16	Valve Stem Seal	90	ST-2034	Int.; Positive type; Viton®
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
16	Exh.	90	245-1375-60 Std Only	1.3820" OD, 1.1070" ID, .2370" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	90	VK-249	Exh. & Int.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7414M Std-.25MM	
1	Thrust Washer Set	90	4941F Std Only	Position 3
8	Rod Pair	90	4940P Std-.25MM	

Nissan Minivans - See Nissan Truck Nissan SUV's - See Nissan Truck Nissan Truck (Includes Minivans and SUV's)

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.3L 1299cc OHV L4 73mm Bore (8 Valve) L/D Truck.....	1969-65	1	2.4L 2389cc SOHC L4 89mm Bore (8 Valve) L/D Truck.....	1990-83 8
1.6L 1595cc SOHC L4 83mm Bore (8 Valve) L/D Truck.....	1973-69	2	2.4L 2389cc SOHC L4 89mm Bore (12 Valve) L/D Truck.....	1990 9
1.8L 1770cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	1974	3	2.5L 2488cc OHV Diesel L4 89mm Bore (8 Valve) L/D Truck.....	1986-83 10
2.0L 1952cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	1980-75	4	3.0L 2960cc SOHC V6 87mm Bore (12 Valve) L/D Truck.....	1990-86 11
2.0L 1952cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	1985-83	5	3.5L 3465cc OHV Turbo-Diesel L4 102.5mm Bore (8 Valve) L/D Truck.....	1990-89 12
2.2L 2164cc OHV Diesel L4 83mm Bore (8 Valve) L/D Truck.....	1983-81	6	4.0L 3956cc OHV L6 85.7mm Bore (12 Valve) L/D Truck.....	1969-61 13
2.2L 2187cc SOHC L4 87mm Bore (8 Valve) L/D Truck.....	1983-81	7		
Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
FD35T.....	3.5L 3465cc OHV Turbo-Diesel L4 102.5mm Bore (8 Valve) L/D Truck.....	12	SD25.....	2.5L 2488cc OHV Diesel L4 89mm Bore (8 Valve) L/D Truck..... 10
J.....	1.3L 1299cc OHV L4 73mm Bore (8 Valve) L/D Truck.....	1	VG30.....	3.0L 2960cc SOHC V6 87mm Bore (12 Valve) L/D Truck..... 11
J13.....	1.3L 1299cc OHV L4 73mm Bore (8 Valve) L/D Truck.....	1	VG30E.....	3.0L 2960cc SOHC V6 87mm Bore (12 Valve) L/D Truck..... 11
KA24E.....	2.4L 2389cc SOHC L4 89mm Bore (12 Valve) L/D Truck.....	9	VG30I.....	3.0L 2960cc SOHC V6 87mm Bore (12 Valve) L/D Truck..... 11
L16.....	1.6L 1595cc SOHC L4 83mm Bore (8 Valve) L/D Truck.....	2	Z20.....	2.0L 1952cc SOHC L4 85mm Bore (8 Valve) L/D Truck..... 5
L18.....	1.8L 1770cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	3	Z22S.....	2.2L 2187cc SOHC L4 87mm Bore (8 Valve) L/D Truck..... 7
L20B.....	2.0L 1952cc SOHC L4 85mm Bore (8 Valve) L/D Truck.....	4	Z24.....	2.4L 2389cc SOHC L4 89mm Bore (8 Valve) L/D Truck..... 8
P.....	4.0L 3956cc OHV L6 85.7mm Bore (12 Valve) L/D Truck.....	13	Z24I.....	2.4L 2389cc SOHC L4 89mm Bore (8 Valve) L/D Truck..... 8
SD22.....	2.2L 2164cc OHV Diesel L4 83mm Bore (8 Valve) L/D Truck.....	6	Z24S.....	2.4L 2389cc SOHC L4 89mm Bore (8 Valve) L/D Truck..... 8

1.3L 1299cc OHV L4 (8 Valve), 73mm Bore 1969-65 1 L/D Truck Eng. Codes "J13" 1965-69				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Cam Sprocket	69-65	223-470	40 Teeth
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	69-65	12012NP Std Only	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 32.5mm CD, 17.5mm Pin Dia., Flat Head

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

1 1.3L 1299cc OHV L4 (8 Valve), 73mm Bore 1969-65 (cont.) L/D Truck Eng. Codes "J13" 1965-69					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Thrust Washer Set	69-65	2056BF Std Only	Position 2
	1	Rod Set	69-65	4-4245CP Std-.25-.50-1.00MM	4-4245CA 1.50MM avail. as unplated & resizeable
	1	Cam Set	69-65	1734M Std Only	
	1	Cam Set	69-65	1325M Std Only	Export only
2 1.6L 1595cc SOHC L4 (8 Valve), 83mm Bore 1973-69 L/D Truck Eng. Code "L16" 1969-73					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	73-70	222-7CT	
	1	Crank Sprocket	73-70	223-463	20 Teeth
	1	Cam Sprocket	73-70	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Follower Guide	73-70	MR-1895	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	73-70	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	73-70	VS-754	Inner; 1.7800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	73-70	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	73-72	245-1812-50 Std Only	From 9/72; 1.8195" OD, 1.4900" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	73-70	VK-215		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	73-70	E-366KC Std Only	2-2.00MM, 1-4.00MM
	1	Standard Set	73-70	E-366X Std Only	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	73-70	WE-366X Std Only	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	73-70	7137M Std-.25MM	
	1	Rod Set	73-70	4-67230CP Std-.25-.50-.75-1.00MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	73-70	224-41901	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	73-69	260-1060	Premium valve stem seals incl.	
RE-RING KIT					
YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
73-70	Premium valve stem seals incl.			-----	205-311
Re-ring					
3 1.8L 1770cc SOHC L4 (8 Valve), 85mm Bore 1974 L/D Truck Eng. Code "L18" 1974					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	74	222-7CT	
	1	Crank Sprocket	74	223-463	20 Teeth
	1	Cam Sprocket	74	223-462	40 Teeth
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Follower Guide	74	MR-1895	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	74	VG-734	.3153" ID, 2.3250" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	74	VS-754	Inner; 1.7800" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	74	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	74	245-1500-54 Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth	
4	Int.	74	245-1812-50 Std Only	1.8195" OD, 1.4900" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	74	VK-215		
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Cast Piston	74	12159P.75MM .75MM	Cast; 2-2.00mm, 1-4.00mm Ring Groove, 38.3mm CD, 21.0mm Pin Dia., Recessed Head 1.30mm deep x 73.5mm dia. - 9.5:1 C.R.	

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

1.8L 1770cc SOHC L4 (8 Valve), 85mm Bore 1974 3						
L/D Truck Eng. Code "L18" 1974 (cont.)						
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	74	E-360KC	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	74	E-360X	Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	74	WE-360KC	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	74	WE-360X	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	74	7137M	Std-.25MM	
	1	Rod Set	74	4-67230CP	Std-.25-.50-.75-1.00MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	74	224-41901		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	74	260-1060	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	74	381-8026			
		RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS DESCRIPTION		Re-ring			205-812	205-312
74 Premium valve stem seals incl.						
2.0L 1952cc SOHC L4 (8 Valve), 85mm Bore 1980-75 4						
L/D Truck Eng. Code "L20B" 1975-80						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Chain Tensioner	80-75	222-7CT		
	1	Crank Sprocket	80-75	223-463	20 Teeth	
	1	Cam Sprocket	80-75	223-462	40 Teeth	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Follower Guide	80	MR-1895	720 Pickup	
	8	Follower Guide	79-75	MR-1895	620 Pickup	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	80-75	VG-734	.3153" ID, 2.3250" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	80-75	VS-754	Inner; 1.7800" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	80-75	ST-2034	Positive type; Viton®		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Exh.	80-75	245-1500-54	Std Only	1.325" ID top taper; 1.5070" OD, 1.1800" ID, .3070" Depth	
4	Int.	80-75	245-1812-50	Std Only	1.8195" OD, 1.4900" ID, .3070" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
16	Keeper	80-75	VK-215			
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	80-75	E-360KC	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	80-75	E-360X	Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	80-75	WE-360KC	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	80-75	WE-360X	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	80-75	7139M	Std-.25-.50-.75MM	
	1	Rod Set	80-75	4-67230CP	Std-.25-.50-.75-1.00MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	80-75	224-41901		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	80-77	260-1159	Premium valve stem seals incl.		
1	Kit Gasket Set	76-75	260-1060	Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	80	381-8026			
		RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
YEARS DESCRIPTION		Re-ring			205-843	205-343
80-77 Premium valve stem seals incl.						
76-75 Premium valve stem seals incl.		Re-ring			205-812	205-312

Nissan Truck (Includes Minivans and SUV's)

5 2.0L 1952cc SOHC L4 (8 Valve), 85mm Bore 1985-83 L/D Truck Eng. Code "Z20" 1983-87					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	85-83	222-3DR102	Double rlr.; 102 Links
	1	Timing Chain Tensioner	85-83	222-7CT	
	1	Crank Sprocket	85-83	223-463	20 Teeth
	1	Cam Sprocket	85-83	223-462	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	85-83	CS-755	
	1	Prelube	85-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	85-83	R-934	2-4
1	Rocker Shaft	85-83	RS-653	Int.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	85-83	V-2249 Std Only	Nitrided stem; 1.5000" Head Dia., .3125" Stem Dia., 4.9350" O.A.L.	
4	Intake	85-83	V-2250 Std Only	Nitrided stem; 1.6580" Head Dia., .3140" Stem Dia., 4.8900" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	85-83	VG-760	.3154" ID, 2.6600" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	85-83	VS-876	Inner; 1.7550" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	85-83	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	85-83	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-83	E-455KC Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	84-83	E-455X Std-.50-.75-1.00-1.50MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	84-83	WE-455KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	84-83	WE-455X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-83	7139M Std-.25-.50-.75MM	
	1	Rod Set	85-83	4-67230CP Std-.25-.50-.75-1.00MM	
	1	Cam Set	85-83	1865M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	84-83	224-41901	720 Pickup	
6 2.2L 2164cc OHV Diesel L4 (8 Valve), 83mm Bore 1983-81 L/D Truck Eng. Code "SD22" 1981-83					
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
1	Pin Bushing Set	83-81	4-67269Y		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	83-81	7071M Std-.25MM		
1	Thrust Washer Set	83-81	67261BF Std Only	Position 2	
1	Rod Set	83-81	4-67260CP Std-.25-.50MM		
1	Cam Set	83-81	1570M Std Only		
7 2.2L 2187cc SOHC L4 (8 Valve), 87mm Bore 1983-81 L/D Truck Eng. Code "Z22S" 1981-83					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Chain	83-81	222-3DR102	Double rlr.; 102 Links	
1	Timing Chain Tensioner	83-81	222-7CT		
1	Crank Sprocket	83-81	223-463	20 Teeth	
1	Cam Sprocket	83-81	223-462	40 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	83-81	CS-755		
1	Prelube	83-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
4	Arm	83-81	R-934	Exh.	
1	Rocker Shaft	83-81	RS-653	Int.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	83-81	V-2249 Std Only	Nitrided stem; 1.5000" Head Dia., .3125" Stem Dia., 4.9350" O.A.L.	

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

2.2L 2187cc SOHC L4 (8 Valve), 87mm Bore 1983-81 7					
L/D Truck Eng. Code "Z22S" 1981-83 (cont.)					
B L O C K	QTY	VALVE (cont.)	YEARS	PART NO.	DESCRIPTION
	4	Intake	83-81	V-2250 Std Only	Nitrided stem; 1.6580" Head Dia., .3140" Stem Dia., 4.8900" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	83-81	VG-760	.3154" ID, 2.6600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	83-81	VS-876	Inner; 1.7550" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	83-81	ST-2034	Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Int.	83-81	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	83-81	VK-215	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	83-81	E-475KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	83-81	E-475X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	83-81	WE-475KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	83-81	7139M Std-.25-.50-.75MM		
1	Rod Set	83-81	4-67230CP Std-.25-.50-.75-1.00MM		
1	Cam Set	83-81	1865M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	83-81	224-41901		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	83-81	260-1282	Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	83-81	381-8093		
RE-RING KIT					
YEARS		DESCRIPTION			
83-81		Premium valve stem seals incl.		Re-ring	
				PREMIUM KIT NO. 205-6052	
				ECONOMY KIT NO. -----	
2.4L 2389cc SOHC L4 (8 Valve), 89mm Bore 1990-83 8					
L/D Truck Eng. Codes "Z24" 1983-89, "Z24I" 1985-90, "Z24S" 1985-89					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain	87-83	222-D106T2	106 Links
	1	Timing Chain Tensioner	89-83	222-7CT	
	1	Timing Chain Guide	89-83	222-122GP	Slack Side
	1	Timing Chain Guide	89-83	222-121GP	Tension Side
	1	Crank Sprocket	89-88	223-701	20 Teeth
	1	Crank Sprocket	87-83	223-463	20 Teeth
	1	Cam Sprocket	89-88	223-698	40 Teeth
	1	Cam Sprocket	87-83	223-462	40 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	89-83	CS-755	
	1	Prelube	89-83	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	4	Arm	89-86	R-934	Exh.
	1	Rocker Shaft	89-86	RS-653	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	89-83	V-2249 Std Only	Nitrided stem; 1.5000" Head Dia., .3125" Stem Dia., 4.9350" O.A.L.	
4	Intake	89-83	V-2250 Std Only	Nitrided stem; 1.6580" Head Dia., .3140" Stem Dia., 4.8900" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	89-83	VG-760	.3154" ID, 2.6600" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	89-83	VS-876	Inner; 1.7550" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	89-86	ST-2034	Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	89-83	245-1812-54 Std Only	1.8195" OD, 1.4050" ID, .3150" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	89-86	VK-215		

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

8 2.4L 2389cc SOHC L4 (8 Valve), 89mm Bore 1990-83
 (cont.) L/D Truck Eng. Codes "Z24" 1983-89, "Z24I" 1985-90, "Z24S" 1985-89

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	89	13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; To 8/89; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston	88-85	13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston	84	13013P Std-.50-1.00MM	Use w/E-560KC or E-560X ring set; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston	83	13013P Std-.50-1.00MM	Eng. Code "Z24"; From 11/82; Use w/E-560KC or E-560X ring set; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	89	W13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; To 8/89; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	88-85	W13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	84	W13013P Std-.50-1.00MM	Use w/WE-560KC or WE-560X ring set; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	4	Cast Piston - Individual	83	W13013P Std-.50-1.00MM	Eng. Code "Z24"; From 11/82; Use w/WE-560KC or WE-560X ring set; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	1	Cast Piston Set w/Prem. Rings	89	4K13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; To 8/89; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
BLOCK	1	Cast Piston Set w/Prem. Rings	88-85	4K13013P Std-.50-1.00MM	Eng. Codes "Z24" & "Z24I"; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	1	Cast Piston Set w/Prem. Rings	83	4K13013P Std-.50-1.00MM	Eng. Code "Z24"; From 11/82; Cast; 1-2.00mm, 1-1.50mm, 1-4.00mm Ring Groove, 33.8mm CD, 21.0mm Pin Dia., Recessed Head 4.03mm deep x 76.20mm dia. w/4 valve reliefs
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	89-85	E-560KC Std-.50-.75-1.00MM	1-2.00MM, 1-1.50MM, 1-4.00MM
	1	Premium Set	84-83	E-560KC Std-.50-.75-1.00MM	Use w/13013P piston; 1-2.00MM, 1-1.50MM, 1-4.00MM
	1	Premium Set	84-83	E-599KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	89-85	E-560X Std-.50-.75-1.00MM	1-2.00MM, 1-1.50MM, 1-4.00MM
	1	Standard Set	84-83	E-560X Std-.50-.75-1.00MM	Use w/13013P piston; 1-2.00MM, 1-1.50MM, 1-4.00MM
	1	Standard Set	84-83	E-599X Std-.50MM	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-85	WE-560KC Std-.50-.75-1.00MM	1-2.00MM, 1-1.50MM, 1-4.00MM
BLOCK	4	Premium Single Cylinder Set	84-83	WE-560KC Std-.50-.75-1.00MM	Use w/W13013P piston; 1-2.00MM, 1-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	84-83	WE-599KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	89-83	7139M Std-.25-.50-.75MM	
	1	Rod Set	89-83	4-67230CP Std-.25-.50-.75-1.00MM	
	1	Cam Set	89-83	1865M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	89-87	224-41919	Exc. Van & Pathfinder
	1	Oil Pump	89-87	224-41920	Van & Pathfinder
	1	Oil Pump	86	224-41919	Exc. Van & 720 Pickup
BLOCK	1	Oil Pump	86-83	224-41920	Exc. 720 Pickup
	1	Oil Pump	86-83	224-41901	720 Pickup
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-87	260-1797	Van; Head bolts not incl.; Premium valve stem seals incl.
	1	Kit Gasket Set	89-87	260-1605	Exc. Van; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

2.4L 2389cc SOHC L4 (8 Valve), 89mm Bore 1990-83 8						
L/D Truck Eng. Codes "Z24" 1983-89, "Z24I" 1985-90, "Z24S" 1985-89 (cont.)						
	QTY 1	GASKETS (cont.) Kit Gasket Set	YEARS 86-83	PART NO. 260-1605	DESCRIPTION PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 90-83	PART NO. 381-8093	DESCRIPTION	
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-87	Exc. Van; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/1-2.00MM, 1-1.50MM, 1-4.00MM ring groove	Re-ring		205-6362	205-1362
	86-85	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/1-2.00MM, 1-1.50MM, 1-4.00MM ring groove	Re-ring		205-6362	205-1362
	84-83	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6361	205-1361
	84-83	Use w/13013P piston; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; For pistons w/1-2.00MM, 1-1.50MM, 1-4.00MM ring groove	Re-ring		205-6362	205-1362
2.4L 2389cc SOHC L4 (12 Valve), 89mm Bore 1990 9						
L/D Truck Eng. Code "KA24E" 1990-97						
V A L V E T R A I N	QTY 1	TIMING Timing Chain	YEARS 90	PART NO. 222-SR102T2	DESCRIPTION 102 Links	
	1	Timing Chain Tensioner	90	222-176CT		
	1	Timing Chain Guide	90	222-178GP	Slack Side	
	1	Timing Chain Guide	90	222-177GP	Tension Side	
	1	Crank Sprocket	90	223-699	18 Teeth	
	1	Cam Sprocket	90	223-694	36 Teeth	
	QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS 90	PART NO. CS-1543	DESCRIPTION Lifter is part of rocker arm assy.	
	1	Prelube	90	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY 2	ROCKER PARTS Arm	YEARS 90	PART NO. R-1020	DESCRIPTION Exh. 1-3; Rocker arm w/lifter (integral type)	
	2	Arm	90	R-1021	Exh. 2-4; Rocker arm w/lifter (integral type)	
	4	Arm	90	R-1018	Int. Front; Rocker arm w/lifter (integral type)	
	4	Arm	90	R-1019	Int. Rear; Rocker arm w/lifter (integral type)	
	1	Rocker Shaft	90	RS-726	Exh.	
	1	Rocker Shaft	90	RS-727	Int.	
	QTY 4	VALVE Exhaust	YEARS 90	PART NO. V-2581X	Std Only	DESCRIPTION Chrome plated stem; 1.5780" Head Dia., .3130" Stem Dia., 4.8140" O.A.L.
	8	Intake	90	V-2580	Std Only	Chrome plated stem; 1.3440" Head Dia., .2745" Stem Dia., 4.7770" O.A.L.
B L O C K	QTY 4	VALVE GUIDE Guide	YEARS 90	PART NO. VG-813	DESCRIPTION Exh.; .3100" ID, 2.2000" O.A.L.	
	8	Guide	90	VG-812	Int.; .2760" ID, 2.0700" O.A.L.	
	QTY 4	VALVE SPRING Spring	YEARS 90	PART NO. VS-944	DESCRIPTION Exh. Inner; 1.9000" Free Height	
	4	Spring	90	VS-941	Exh. Outer; 2.1000" Free Height	
	8	Spring	90	VS-942	Int. Inner; 2.1200" Free Height	
	8	Spring	90	VS-943	Int. Outer; 2.2500" Free Height	
	QTY 4	VALVE SEAL Valve Stem Seal	YEARS 90	PART NO. ST-2069	DESCRIPTION Exh.; Positive type; Rubber	
	8	Valve Stem Seal	90	ST-2034	Int.; Positive type; Viton®	
	QTY 4	VALVE SEAT Exh.	YEARS 90	PART NO. 245-1687-56	Std Only	DESCRIPTION 1.6945" OD, 1.3750" ID, .2950" Depth
	QTY 24	VALVE, MISC Keeper	YEARS 90	PART NO. VK-249	DESCRIPTION	
	QTY 4	PISTON Cast Piston	YEARS 90	PART NO. 13503P	Std-.50-.75-1.00MM	DESCRIPTION Pickup; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 34.0mm CD, 21.0mm Pin Dia., Recessed Head 78.40mm dia.
	4	Cast Piston - Individual	90	W13503P	Std-.50-.75-1.00MM	Pickup; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 34.0mm CD, 21.0mm Pin Dia., Recessed Head 78.40mm dia.
	4	Pin Bushing	90	4464Y		
	QTY 1	RINGS Premium Set	YEARS 90	PART NO. E-559KC	Std-.50-.75-1.00MM	DESCRIPTION 2-1.50MM, 1-2.80MM
	4	Premium Single Cylinder Set	90	WE-559KC	Std Only	2-1.50MM, 1-2.80MM

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

9 2.4L 2389cc SOHC L4 (12 Valve), 89mm Bore 1990 (cont.) L/D Truck Eng. Code "KA24E" 1990-97							
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K	
	1	Main Set	90	7285M	Std-.25-.50MM		
	1	Rod Set	90	4-4460P	Std-.25-.50MM		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	90	224-43637	Axxess		
	1	Oil Pump	90	224-43451	Pickup		
	1	Screen Assy.	90	224-14286			
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90	260-1795	Axxess; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
	1	Kit Gasket Set	90	260-1754	Exc. Axxess; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	90	381-8093				
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION					
	90	Exc. Axxess; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6885	----	
			Re-ring w/Mains		205-6885M	----	
	90	Axxess; Head bolts not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6886	----	
		Re-ring w/Mains		205-6886M	----		
10 2.5L 2488cc OHV Diesel L4 (8 Valve), 89mm Bore 1986-83 L/D Truck Eng. Code "SD25" 1983-86							
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	B L O C K	
	1	Pin Bushing Set	86-83	4-67269Y			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	86-83	E-757KC	Std Only 1-2.50MM, 1-2.00MM, 1-4.50MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	86-83	7071M	Std-.25MM		
	1	Thrust Washer Set	86-83	67261BF	Std Only		
1	Rod Set	86-83	4-67260CP	Std-.25-.50MM			
1	Cam Set	86-83	1570M	Std Only			
11 3.0L 2960cc SOHC V6 (12 Valve), 87mm Bore 1990-86 L/D Truck Eng. Codes "VG30" 1986-98, "VG30E" 1990-98, "VG30I" 1986-89							
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N	
	1	Timing Belt	90-86	222-104	Square tooth		
	1	Timing Belt Tensioner	90-86	222-124BT			
	1	Timing Belt & Tensioner Set	90-86	BTS-104	Square tooth		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	1	Camshaft	90-86	CS-844	L.H.; Incl. gear		
	1	Camshaft	90-86	CS-843	R.H.; Gear not incl.		
	12	Lifter	90-86	HT-2198	Std Only		
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
	1	Cam/Lifter Kit	90-86	KC-843	Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 55-403B		
	1	Cam/Lifter/Timing Kit	90-86	KCT-843	L.H & R.H. camshafts incl.; Incl. square tooth timing belt; Gear for CS843 not incl.; Gear for CS844 incl.; Incl. (1) CS-843, (1) CS-844, (12) HT-2198, (1) 222-104, (1) 55-403B		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
	6	Arm	90-86	R-922			
	1	Rocker Shaft	90-86	RS-648	Exh.		
	1	Rocker Shaft	90-86	RS-649	Int.		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION		
	6	Exhaust	90-86	V-2330	Std Only Nitrided stem; 1.3820" Head Dia., .3138" Stem Dia., 4.9010" O.A.L.		
	6	Intake	90-86	V-2322	Std Only Nitrided stem; 1.6570" Head Dia., .2745" Stem Dia., 4.9450" O.A.L.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
6	Guide	90	VG-1403T	Exh.; Threaded; Std. OD; .3160" ID, 2.5000" O.A.L.			
6	Guide	90	VG-1402T	Int.; Threaded; Std. OD; .2760" ID, 2.3150" O.A.L.			
6	Guide	89-86	VG-7578	Exh.; .3152" ID, 2.5000" O.A.L.			
6	Guide	89-86	VG-7588	Int.; .008" O/S OD; .2760" ID, 2.3100" O.A.L.			
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION			
12	Spring	90-86	VS-876	Inner; 1.7550" Free Height			

(continued on next page)

Nissan Truck (Includes Minivans and SUV's)

3.0L 2960cc SOHC V6 (12 Valve), 87mm Bore 1990-86 11						
L/D Truck Eng. Codes "VG30" 1986-98, "VG30E" 1990-98, "VG30I" 1986-89 (cont.)						
B L O C K	QTY 12	VALVE SPRING (cont.) Spring	YEARS 90-86	PART NO. VS-1446	DESCRIPTION Outer; 2.0650" Free Height	
	QTY 6 6	VALVE SEAL Valve Stem Seal Valve Stem Seal	YEARS 90-86 90-86	PART NO. ST-2069 ST-2034	DESCRIPTION Exh.; Positive type; Rubber Int.; Positive type; Viton®	
	QTY 6	VALVE SEAT Int.	YEARS 90-86	PART NO. 245-1812-55 Std Only	DESCRIPTION 1.8195" OD, 1.5000" ID, .2780" Depth	
	QTY 24	VALVE, MISC Keeper	YEARS 90-86	PART NO. VK-243	DESCRIPTION	
	QTY 6 6	PISTON Cast Piston Cast Piston	YEARS 90-88 87	PART NO. H832CP Std-.50-.75-1.00MM H832CP Std-.50-.75-1.00MM	DESCRIPTION Hypereutectic; 2-1.50mm, 1-2.80mm Ring Groove, 1.248" CD, .8259" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston From 4/87; Hypereutectic; 2-1.50mm, 1-2.80mm Ring Groove, 1.248" CD, .8259" Pin Dia., Flat Head w/2 valve reliefs; DurOshield® skirt coated piston	
	QTY 1 6	RINGS Premium Set Premium Single Cylinder Set	YEARS 90-86 90-86	PART NO. E-525KC Std Only WE-525KC Std Only	DESCRIPTION 1-2.00MM, 1-1.50MM, 1-2.80MM 1-2.00MM, 1-1.50MM, 1-2.80MM	
	QTY 1 1	ENGINE BEARINGS Main Set Rod Set	YEARS 90-86 90-86	PART NO. 7099M Std-.25-.50-.75MM 6-1845CP Std-.25-.50-.75MM	DESCRIPTION	
	QTY 1 1 1 1 1 1	OIL PUMP Oil Pump Oil Pump Oil Pump Oil Pump Oil Pump	YEARS 90 89-88 89-88 87 87 86	PART NO. 224-41956 224-41956 224-41950 224-41950 224-41956 224-41956	DESCRIPTION D21 Pickup; Pathfinder; 4WD; Eng. Code VG30E D21 Pickup; Pathfinder; 4WD; Eng. Code VG30I D21 Pickup; 2WD From 3/87; D21 Pickup; 2WD Pathfinder, D21 Pickup & Pickup; 4WD; Eng. Code VG30I D21 Pickup & Pickup; 4WD; Eng. Code VG30I	
	QTY 1 1 1 1	GASKETS Kit Gasket Set Kit Gasket Set Kit Gasket Set	YEARS 90-88 87 87	PART NO. 260-1498 260-1498 260-1785	DESCRIPTION PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl. From 5/1/87; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl. To 4/30/87; Exh. pipe flange not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl. Exh. pipe flange not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	
	QTY 1 1	FREEZE PLUGS Brass Block Plug Kit Steel Block Plug Kit	YEARS 90 90	PART NO. 381-8092 381-9667	DESCRIPTION Eng. Code "VG30E" Eng. Code "VG30E"	
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS 90-88	DESCRIPTION PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6176 205-6176M	----- -----
	87	From 5/1/87; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6176 205-6176M	----- -----
	87	To 4/30/87; Exh. pipe flange not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6785 205-6785M	----- -----
	86	Exh. pipe flange not incl.; Valve cover grommets not incl.; PermaDry® molded rubber valve cover & oil pan gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains		205-6785 205-6785M	----- -----
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS 90-88	DESCRIPTION Pathfinder, D21 Pickup & Pickup; 4WD; Eng. Code VG30I; Freeze plugs not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. square tooth timing belt; Gear for CS843 not incl.; Gear for CS844 incl.	Master w/o Pistons		MK-6176A	-----
	87	From 5/1/87; Pathfinder, D21 Pickup & Pickup; 4WD; Eng. Code VG30I; Freeze plugs not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. square tooth timing belt; Gear for CS843 not incl.; Gear for CS844 incl.	Master w/o Pistons		MK-6176A	-----

Nissan Truck (Includes Minivans and SUV's)

12 3.5L 3465cc OHV Turbo-Diesel L4 (8 Valve), 102.5mm Bore 1990-89 L/D Truck Eng. Code "FD35T" 1989-91				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	90-89	1281AF Std Only	Position 3
1	Rod Set	90-89	4-1280CP Std Only	
13 4.0L 3956cc OHV L6 (12 Valve), 85.7mm Bore 1969-61 L/D Truck Eng. Code "P40" 1961-69				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	69-61	10359KX Std-.50-.75-1.00-1.50MM	2-2.50MM, 1-4.76MM
6	Premium Single Cylinder Set	69-61	W-10359KX Std Only	2-2.50MM, 1-4.76MM

Oldsmobile - See GM Car OMC Marine

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)		1	4.9L 300 OHV V8 3.75" Bore (Buick) (GMC Eng.) ...		7
3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.) ..		2	5.0L 302 OHV V8 4" Bore (Ford Eng.)		8
3.7L 225 OHV V6 3.75" Bore (Buick) (GMC Eng.) ...		3	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)		9
4.1L 250 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)		4	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.) .		10
4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.) .		5	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.).....	1990-68	11
4.6L 283 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)		6			

Model Index

Model	Engine Description	Line No.	Model	Engine Description	Line No.
100 (100 HP)...Marine Applications	2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)	1	250/5.7 Litre (290 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10
110 (110 HP)...Marine Applications	2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)	1	260 (250 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10
120/2.5 Litre (120 HP)...Marine Applications	2.5L 153 OHV L4 3.875" Bore (Chevrolet) (GMC Eng.)	1	260 (260 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10
130/3.0 Litre (130 HP)...Marine Applications	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	260 (270 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10
140/3.0 Litre (140 HP)...Marine Applications	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2	260 (290 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10
150 HP...Marine Applications	3.7L 225 OHV V6 3.75" Bore (Buick) (GMC Eng.)	3	3.0L Litre (115 HP)...Marine Applications	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2
155 HP...Marine Applications	3.7L 225 OHV V6 3.75" Bore (Buick) (GMC Eng.)	3	3.0L Litre High Output (130 HP)...Marine Applications	3.0L 181 OHV L4 4" Bore (Chevrolet) (GMC Eng.)	2
165 (165 HP)...Marine Applications	4.1L 250 OHV L6 3.875" Bore (Chevrolet) (GMC Eng.)	4	351 King Cobra (260 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11
175 (175 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8	4.3 Litre (150 HP)...Marine Applications	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	5
185 (185 HP)...Marine Applications	4.6L 283 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	6	4.3 Litre (160 HP)...Marine Applications	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	5
190 (190 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8	4.3 Litre (175 HP)...Marine Applications	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	5
200 HP(Late Design)...Marine Applications	4.9L 300 OHV V8 3.75" Bore (Buick) (GMC Eng.)	7	4.3 Litre (180 HP)...Marine Applications	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	5
210 (210 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	4.3 Litre (205 HP)...Marine Applications	4.3L 262 OHV V6 4" Bore (Chevrolet) (GMC Eng.)	5
215 (215 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	5.0 Litre (160 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
225 (225 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	5.0 Litre (170 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
230 (230 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	5.0 Litre (185 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
235 (235 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	5.0 Litre High Output (175 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
245 (245 HP)...Marine Applications	5.0L 307 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	9	5.0 Litre High Output (190 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
250 (250 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11	5.0 Litre High Output (200 HP)...Marine Applications	5.0L 302 OHV V8 4" Bore (Ford Eng.)	8
250 King Cobra (235 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10	5.8 Litre (210 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11
250 King Cobra (270 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10	5.8 Litre (215 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11
250/5.7 Litre (215 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10	5.8 Litre (235 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11
250/5.7 Litre (220 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10	5.8 Litre Cobra (240 HP)...Marine Applications	5.8L 351 OHV V8 4" Bore (Windsor) (Ford Eng.)	11
250/5.7 Litre (250 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10			
250/5.7 Litre (260 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10			
250/5.7 Litre (270 HP)...Marine Applications	5.7L 350 OHV V8 4" Bore (Chevrolet) (GMC Eng.)	10			

OMC Marine

1 2.5L 153 OHV L4 (Chevrolet), 3.875" Bore (GMC Eng.) Marine Applications Models 100 (100 HP); 110 (110 HP); 120/2.5 Litre (120 HP)

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter		HT-817 Std Only	Hyd.
	8	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod		RP-3214R	Chrome-Moly; 9.6800" O.A.L.
	8	Push Rod		RP-3180	9.6800" O.A.L.
	8	Push Rod, Bulk		BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm Assy.		R-832	Incl. arm, ball & nut
	8	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64
V A L V E T R A I N	8	Arm		R-832A	
	8	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	8	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust		V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	4	Exhaust		V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	4	Exhaust, Bulk		V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	4	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	4	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
V A L V E T R A I N	4	Guide		VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.
	4	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	4	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	4	Guide		VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
	4	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	4	Guide, Bulk		VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-521	Incl. damper; 2.1090" Free Height
	1	Spring		VS-739R	Optional-H/D; 2.0000" Free Height
	1	Spring, Bulk		VS-739RB	Optional-H/D; Carton of 300; 2.0000" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	8	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	8	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	8	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	4	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	4	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper		VK-115	1 groove; Square cut key groove
	16	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston		1108P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	4	Cast Piston		1108NP * Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	4	Cast Piston - Individual		W1108NP30 * 30	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
	4	Pin		P-2208 Std-3-5-0015	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
B L O C K	1	Premium Set		E-450K Std-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-450X Std-20-30-40-60	2-5/64, 1-3/16
	4	Premium Single Cylinder Set		WE-450K Std-20-30-40-60	2-5/64, 1-3/16
	4	Standard Single Cylinder Set		WE-450X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4123MA Std-1-10-20-30	A-Series aluminum bearings
	1	Rod Set		4-2020CP Std-1-10-20-30-40	
	4	Rod Pair		2020CP Std-1-2-10-20-30-40-50	
	1	Carn Set		1202M Std Only	

(continued on next page)

2.5L 153 OHV L4 (Chevrolet), 3.875" Bore (GMC Eng.) 1					
Marine Applications Models 100 (100 HP); 110 (110 HP); 120/2.5 Litre (120 HP) (cont.)					
B L O C K	QTY 1	OIL PUMP Oil Pump	YEARS	PART NO. 224-4147	DESCRIPTION
	QTY 1	GASKETS Kit Gasket Set	YEARS	PART NO. 260-1505M	DESCRIPTION Cobra drive unit; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.
	1	Kit Gasket Set		260-1504M	Exc. Cobra drive unit; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS	PART NO. 381-8006	DESCRIPTION
3.0L 181 OHV L4 (Chevrolet), 4" Bore (GMC Eng.) 2					
Marine Applications Models 3.0 Litre (115 HP); 3.0 Litre High Output (130 HP); 130/3.0 Litre (130 HP); 140/3.0 Litre (140 HP)					
V A L V E T R A I N	QTY 1	CAMSHAFT/LIFTER Camshaft	YEARS	PART NO. CS-1068M	DESCRIPTION
	8	Lifter		HT-817 Std Only	Hyd.
	8	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY 1	CAM KIT Cam/Lifter Kit	YEARS	PART NO. KC-1068M	DESCRIPTION Incl. (1) CS-1068M, (8) HT-817, (1) 55-403B
	QTY 8	PUSH ROD Push Rod	YEARS	PART NO. RP-3214R	DESCRIPTION Chrome-Moly; 9.6800" O.A.L.
	8	Push Rod		RP-3180	9.6800" O.A.L.
	8	Push Rod, Bulk		BRP-3180	Carton of 100; 9.6800" O.A.L.
	QTY 8	ROCKER PARTS Arm Assy.	YEARS	PART NO. R-832	DESCRIPTION Incl. arm, ball & nut
	8	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64
	8	Arm		R-832A	
	8	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	8	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY 4	VALVE Exhaust	YEARS	PART NO. V-1888X Std-15	DESCRIPTION Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	4	Exhaust		V-4231 Std Only	Chrome plated stem; Swirl Polish; 1.6000" Head Dia., .3407" Stem Dia., 4.9000" O.A.L.
	4	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	4	Intake		V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
	4	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	4	Intake, Bulk		V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	QTY 8	VALVE SPRING Spring	YEARS	PART NO. VS-521	DESCRIPTION Incl. damper; 2.1090" Free Height
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS	PART NO. MV-1233C	DESCRIPTION O-Ring; Rubber
	8	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	QTY 16	VALVE, MISC Keeper	YEARS	PART NO. VK-115	DESCRIPTION 1 groove; Square cut key groove
	16	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	16	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
B L O C K	QTY 4	PISTON Cast Piston	YEARS	PART NO. H897CP Std-20-30-40-60	DESCRIPTION Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.610" CD, .9275" Pin Dia., Flat Head
	4	Cast Piston		H896CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9279" Pin Dia., Recessed Head .140" deep x 1.610 Radius
	4	Cast Piston - Individual		WH897CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.610" CD, .9275" Pin Dia., Flat Head
	4	Cast Piston - Individual		WH896CP Std-20-30-40-60	Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.625" CD, .9279" Pin Dia., Recessed Head .140" deep x 1.610 Radius
	QTY 1	RINGS Premium Set	YEARS	PART NO. E-381K Std-20-30-40-60	DESCRIPTION 2-5/64, 1-3/16
	1	Standard Set		E-381X Std-20-30-40-60	2-5/64, 1-3/16
	4	Premium Single Cylinder Set		WE-381K Std-20-30	2-5/64, 1-3/16
	4	Standard Single Cylinder Set		WE-381X Std-20-30-40	2-5/64, 1-3/16

(continued on next page)

OMC Marine

2 3.0L 181 OHV L4 (Chevrolet), 4" Bore (GMC Eng.)
(cont.) Marine Applications Models 3.0 Litre (115 HP); 3.0 Litre High Output (130 HP); 130/3.0 Litre (130 HP); 140/3.0 Litre (140 HP)

BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set		4123MA Std-1-10-20-30	A-Series aluminum bearings	
	4	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	4	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	4	Rod Pair		2555CA60 60	Unplated & resizeable	
	1	Cam Set		1461M Std Only		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump		224-4147		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set		260-1505M	Cobra drive unit; Manifold w/removable end cap; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.	
	1	Kit Gasket Set		260-1506M	Exc. Cobra drive unit; Standard Rotation; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit		381-8006		

3 3.7L 225 OHV V6 (Buick), 3.75" Bore (GMC Eng.)
Marine Applications 150, 155 HP

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	3 Piece Set		KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334	
	1	Timing Chain		222-359	54 Links	
	1	Crank Sprocket		223-323	20 Teeth	
	1	Cam Sprocket		223-334	40 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	12	Lifter		HT-896 Std Only	Hyd.	
	12	Lifter, Bulk		HT-896B Std Only	Hyd.; Carton of 126	
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
	12	Push Rod		RP-3173	From 1965; 8.7230" O.A.L.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	12	Arm		R-1051		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide		VG-5002	Exh.; From 1965; .3420" ID, 3.0600" O.A.L.	
	6	Guide		VG-5034	Int.; From 1965; Cut to fit; .3430" ID, 2.5000" O.A.L.	
	6	Guide, Bulk		VG-5002B	Exh.; From 1965; Carton of 50; .3420" ID, 3.0600" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	12	Valve Stem Seal		ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	12	Valve Stem Seal Bulk		ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.		245-1500-1 Std Only	From 1965; 1.5045" OD, 1.2500" ID, .2160" Depth	
	6	Exh.		245-1437-3 Std Only	1964; 1.4425" OD, 1.1880" ID, .2160" Depth	
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	BLOCK
	24	Keeper		VK-194		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	6	Cast Piston		1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.	
	6	Cast Piston - Individual		W1110P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set		E-222K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set		E-222X Std-20-30-40-60	2-5/64, 1-3/16	
	6	Premium Single Cylinder Set		WE-222K Std-20-30-40-60	2-5/64, 1-3/16	
	6	Standard Single Cylinder Set		WE-222X Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Main Set		7144MA Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Main Set		7150MA10 10-20-30	A-Series aluminum bearings; .020" O/S length flange brg.	
	1	Rod Set		6-2500RAA Std-10-20-30-40	A-Series aluminum bearings	
	6	Rod Pair		2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set		1205M Std Only		

4.1L 250 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) **4**
Marine Applications Model 165 (165 HP)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Crank Gear		221-2527	27 Teeth
1	Cam Gear		221-2524	Alum.; 54 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-633	Hyd.
12	Lifter		HT-817 Std Only	Hyd.; Carton of 128
12	Lifter, Bulk		HT-817B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
1	Prelube		55-400	
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit		KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod		RP-3214R	Chrome-Moly; 9.6800" O.A.L.
12	Push Rod		RP-3180	9.6800" O.A.L.
12	Push Rod, Bulk		BRP-3180	Carton of 100; 9.6800" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.		R-832	Incl. arm, ball & nut
12	Arm Assy., Bulk		R-832B	Incl. arm, ball & nut; Carton of 64
12	Arm		R-832A	
12	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud		MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust		V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide		VG-5005	Exh.; .3430" ID, 2.2500" O.A.L.
6	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
6	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
6	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
6	Guide, Bulk		VG-5005B	Exh.; Carton of 50; .3430" ID, 2.2500" O.A.L.
6	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
6	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring		VS-521	Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
12	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal		MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
6	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
6	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper		VK-115	1 groove; Square cut key groove
24	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
6	Rotocap		RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston		403P Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
6	Cast Piston		403CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
6	Cast Piston - Individual		W403P Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep
6	Cast Piston - Individual		W403CP30 30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.640" CD, .9275" Pin Dia., Recessed Head .085" deep; DurOshield® skirt coated piston
6	Pin		P-2208 Std-3-5-0015	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-234K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-234X Std-20-30-40-60	2-5/64, 1-3/16

(continued on next page)

OMC Marine

BLOCK	4 4.1L 250 OHV L6 (Chevrolet), 3.875" Bore (GMC Eng.) (cont.) Marine Applications Model 165 (165 HP)					BLOCK
	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	
	6	Premium Single Cylinder Set		WE-234K	Std-20-30-40-60 2-5/64, 1-3/16	
	6	Standard Single Cylinder Set		WE-234X	Std-20-30-40-60 2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set		4124MA	Std-1-10-20-30-40-50-60 A-Series aluminum bearings	
	1	Rod Set		6-2020CP	Std-10-20-30-40 6-2020CA60 60 avail. as unplated & resizeable	
	1	Rod Set		6-2020CA60	60 Unplated & resizeable	
	6	Rod Pair		2020CP	Std-1-2-10-20-30-40-50	
	1	Cam Set		1203M	Std Only	
1	Cam Set		1557M	Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump		224-4147			
1	Screen Assy.		224-1347			
1	Screen Assy.		224-1647			
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set		260-1508M	Standard Rotation		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit		381-8006			
5 4.3L 262 OHV V6 (Chevrolet), 4" Bore (GMC Eng.) Marine Applications Models 4.3 Litre (150 HP w/2 Bbl.); 4.3 Litre (160 HP w/2 Bbl.); 4.3 Litre (175 HP w/2 Bbl.); 4.3 Litre (175 HP w/4 Bbl.); 4.3 Litre (180 HP w/4 Bbl.); 4.3 Litre (205 HP w/4 Bbl.)						
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft		CS-1049M	O.E. No. 14095789; Standard Rotation		
1	Camshaft		CS-1051M	O.E. No. 14096233; Standard Rotation; Rlr. cam; Use HT-2148 rlr. lifter.		
12	Lifter		HT-817	Std Only Hyd.		
12	Lifter		HT-2148	Std Only Hyd. rlr.		
12	Lifter, Bulk		HT-2148B	Std Only Hyd. rlr.; Carton of 128		
12	Lifter, Bulk		HT-817B	Std Only Hyd.; Carton of 128		
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set		260-1509M	Standard Rotation; Engs. w/o Balance shaft; Two-piece rear main brg. seal & four-piece oil pan gskt. incl.		
6 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) Marine Applications Model 185 (185 HP)						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	3 Piece Set		KT3-163S	Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289		
1	Timing Chain		222-163	Double rlr.; 58 Links		
1	Crank Sprocket		223-289	Double row; 22 Teeth		
1	Cam Sprocket		223-288	Double row; 44 Teeth		
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
1	Camshaft		CS-274			
16	Lifter		HT-817	Std Only Hyd.		
16	Lifter, Bulk		HT-817B	Std Only Hyd.; Carton of 128		
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION		
1	Cam/Lifter Kit		KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B		
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
16	Push Rod		RP-3212R	Chrome-Moly; 7.7900" O.A.L.		
16	Push Rod		RP-3212R100	Chrome-Moly; 7.8900" O.A.L.		
16	Push Rod		RP-3212R150	Chrome-Moly; 7.9400" O.A.L.		
16	Push Rod		RP-3212R200	Chrome-Moly; 7.9900" O.A.L.		
16	Push Rod		RP-3093	7.7940" O.A.L.		
16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.		
16	Push Rod, Bulk		BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.		
16	Push Rod, Bulk		BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.		
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
16	Arm Assy.		R-826	Incl. arm, ball & nut		
16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64		
16	Arm		R-826A			
16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"		
16	Stud		MR-1949	3/8" x 24 x 2.495"		

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4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 6 Marine Applications Model 185 (185 HP) (cont.)

QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust		V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
8	Exhaust		V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Exhaust, Bulk		V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
8	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
8	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide		VG-5061	Exh.; .3430" ID, 2.3800" O.A.L.
8	Guide		VG-5005	Int.; .3430" ID, 2.2500" O.A.L.
8	Guide		VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.
8	Guide		VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.
8	Guide, Bulk		VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.
8	Guide, Bulk		VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
16	Spring		VS-677	W/"C" suffix; Incl. damper; 2.0300" Free Height
16	Spring		VS-521	W/"S" suffix; Incl. damper; 2.1090" Free Height
16	Spring, Bulk		VS-677B	W/"C" suffix; Incl. damper; Carton of 250; 2.0300" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
8	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper		VK-115	1 groove; Square cut key groove
32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap		RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston		235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 235NP
8	Cast Piston		235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual		W235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W235NP
8	Cast Piston - Individual		W235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs
8	Powerforged		L-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
8	Forged Piston - Individual		WL-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-245K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-245K Std-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		994M Std-1-10-20-30-40	
1	Rod Set		8-2020CP Std-1-10-20-30-40	
8	Rod Pair		2020CP Std-1-2-10-20-30-40-50	
1	Cam Set		1145M Std Only	Babbitt material; Full round design
1	Cam Set		1235M Std-1-10	Babbitt material; Full round design
1	Cam Set		1749M Std Only	Bi-Metal Aluminum
1	Cam Set		1750M Std Only	2.030" housing bore

(continued on next page)

OMC Marine

6 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) (cont.) Marine Applications Model 185 (185 HP)							
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump		224-4146	5/8" inlet		
	1	Screen Assy.		224-1246	5/8" inlet tube		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set		260-1510M	Standard Rotation; Two-piece rear main brg. seal, four-piece oil pan gskt., & rim bolt valve cover gskts. incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit		381-8007			
	1	Steel Block Plug Kit		381-4011			
	OVERHAUL KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			Master	MKP-6271A	----
		Standard Rotation			Master w/o Pistons	MK-6271A	----
7 4.9L 300 OHV V8 (Buick), 3.75" Bore (GMC Eng.) Marine Applications 200 HP (Late Design)							
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
	1	3 Piece Set		KT3-359S	Incl. (1) 222-359, (1) 223-323, (1) 223-334		
	1	Timing Chain		222-359	54 Links		
	1	Crank Sprocket		223-323	20 Teeth		
	1	Cam Sprocket		223-334	40 Teeth		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	16	Lifter		HT-896 Std Only	Hyd.		
	16	Lifter, Bulk		HT-896B Std Only	Hyd.; Carton of 126		
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION		
	16	Push Rod		RP-3173	8.7230" O.A.L.		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
	16	Arm		R-1051			
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	8	Guide		VG-5002	Exh.; .3420" ID, 3.0600" O.A.L.		
	8	Guide		VG-5005	Int.; .3430" ID, 2.2500" O.A.L.		
	8	Guide		VG-5005H	Int.; Hardened; .3430" ID, 2.2500" O.A.L.		
	8	Guide		VG-5005T	Int.; Threaded; .3425" ID, 2.2500" O.A.L.		
	8	Guide, Bulk		VG-5002B	Exh.; Carton of 50; .3420" ID, 3.0600" O.A.L.		
	8	Guide, Bulk		VG-5005B	Int.; Carton of 50; .3430" ID, 2.2500" O.A.L.		
	8	Guide, Bulk		VG-5005TB	Int.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.		
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
	16	Valve Stem Seal		ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE		
	16	Valve Stem Seal Bulk		ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE		
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
8	Exh.		245-1500-1 Std Only	1.5045" OD, 1.2500" ID, .2160" Depth			
8	Int.		245-1937-1 Std Only	1.9425" OD, 1.6875" ID, .2480" Depth			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
32	Keeper		VK-194				
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	8	Cast Piston		279P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.		
	8	Cast Piston - Individual		W279P Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.835" CD, .9397" Pin Dia., Recessed Head .227" deep x 3.050" dia. - 8.4:1 C.R.		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set		E-240K Std-20-30-40-60	2-5/64, 1-3/16		
	1	Standard Set		E-240X Std-30-40-60	2-5/64, 1-3/16		
	8	Premium Single Cylinder Set		WE-240K Std-20-30-40-60	2-5/64, 1-3/16		
	8	Standard Single Cylinder Set		WE-240X Std-30-40-60	2-5/64, 1-3/16		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Rod Set		8-2500RAA Std-10-20-30-40	A-Series aluminum bearings		
8	Rod Pair		2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings			
1	Cam Set		1421M Std Only				

Marine Applications Models 5.0 Litre (160 HP); 5.0 Litre (170 HP); 5.0 Litre (185 HP); 5.0 Litre High Output (175 HP); 5.0 Litre High Output (190 HP); 5.0 Litre High Output (200 HP); 175 (175 HP); 190 (190 HP)

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-358SA	170 HP; Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431
	1	3 Piece Set		KT3-358S	190 HP; Incl. silent type chain; Incl. (1) 222-358, (1) 223-406, (1) 223-431
	1	Timing Chain		222-358	Silent type; 58 Links
	1	Crank Sprocket		223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth
	1	Cam Sprocket		223-430	170 HP; Use w/Silent type chain; 42 Teeth
	1	Cam Sprocket		223-406	190 HP; 42 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft		CS-560	Standard Rotation; 170 & 175 HP; Hyd.
	1	Camshaft		CS-674	Standard Rotation; 190 HP w/firing order 1-3-7-2-6-5-4-8 Hyd.
VALVE TRAIN	16	Lifter		HT-900 Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.
	16	Lifter		HT-900R Std Only	Hyd.; Carton of 122
	16	Lifter, Bulk		HT-900B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	1	Prelube		55-400	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit		KC-560	Standard Rotation; 170 & 175 HP; Hyd.; Incl. (1) CS-560, (16) HT-900, (1) 55-403B
	1	Cam/Lifter Kit		KC-674	Standard Rotation; 190 HP; Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3223R	Chrome-Moly; 6.8850" O.A.L.
	16	Push Rod		RP-3167	6.8760" O.A.L.
	16	Push Rod, Bulk		BRP-3167	Carton of 100; 6.8760" O.A.L.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.		R-847	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut
	16	Arm Assy., Bulk		R-847B	Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust		V-1961 Std-3-15	170 & 175 HP; Chrome plated stem; 1.4600" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Exhaust		V-2044 Std Only	190 HP; w/"A11" & "M" suffix; Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L.
	8	Exhaust, Bulk		V-1961B Std-15	170 & 175 HP; Chrome plated stem; Carton of 25; 1.4520" Head Dia., .3415" Stem Dia., 5.0700" O.A.L.
	8	Intake		V-1932 Std-15	170 & 175 HP; Chrome plated stem; 1.7810" Head Dia., .3420" Stem Dia., 5.0500" O.A.L.
	8	Intake, Bulk		V-1932B15 15	170 & 175 HP; Chrome plated stem; Carton of 25; 1.7810" Head Dia., .3570" Stem Dia., 5.0500" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide		VG-5005	.3430" ID, 2.2500" O.A.L.
VALVE TRAIN	16	Guide		VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide		VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-919	Exh.; 170 & 175 HP; 1.9000" Free Height
	16	Spring		VS-718	Exh. & Int.; 190 HP; w/"A11" & "M" suffix; 2.0280" Free Height
	8	Spring		VS-1435	Int.; 170 & 175 HP; 1.9650" Free Height
	8	Spring, Bulk		VS-919B	Exh.; 170 & 175 HP; Carton of 300; 1.9000" Free Height
	16	Spring, Bulk		VS-718B	Exh. & Int.; 190 HP; w/"A11" & "M" suffix; Carton of 250; 2.0280" Free Height
VALVE TRAIN	8	Spring, Bulk		VS-1435B	Int.; 170 & 175 HP; Carton of 250; 1.9650" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1796C	170 & 175 HP; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber
	16	Valve Stem Seal		MV-1906	190 HP; w/"A11" & "M" suffix; Umbrella type; Nylon
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE

(continued on next page)

OMC Marine

8 5.0L 302 OHV V8, 4" Bore (Ford Eng.) (cont.) Marine Applications Models 5.0 Litre (160 HP); 5.0 Litre (170 HP); 5.0 Litre (185 HP); 5.0 Litre High Output (175 HP); 5.0 Litre High Output (190 HP); 5.0 Litre High Output (200 HP); 175 (175 HP); 190 (190 HP)

QTY	VALVE SEAL (cont.)	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal Bulk		MV-1796	170 & 175 HP; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper		VK-115	1 groove; Square cut key groove
32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston		272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Cast Piston - Individual		W272AP Std-20-30-40-60-80	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Prem. Rings		8K272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
1	Cast Piston Set w/Econ. Rings		8X272AP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.585" CD, .9122" Pin Dia., Recessed Head .110" deep x 2.910" dia. w/4 valve reliefs - 8.9:1 C.R.
8	Powerforged		L-2305F Std-20-30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
8	Forged Piston - Individual		WL-2305F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.605" CD, .9122" Pin Dia., Recessed Head .068" deep w/4 valve reliefs and pressed pin. DurOshield® skirt coated piston.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		7151M10 10-20-30	.020" O/S length flange brg.
1	Main Set		4125MA Std-1-10-20-30-40	A-Series aluminum bearings; Incl. contoured design thrust brg.
1	Main Set		4125M Std-1-10-20-30-40	Incl. contoured design thrust brg.
1	Rod Set		8-2600A Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Rod Set		8-2600A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
1	Rod Set		8-2600CP10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore
1	Rod Set		8-2600CP Std-1-2-10-20-30-40	8-2600CA 60 avail. as unplated & resizeable
1	Rod Set		8-2600CA60 60	Unplated & resizeable
8	Rod Pair		2600CP Std-1-2-10-20-30-40	
8	Rod Pair		2600A Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set		1204M Std-10	Babbitt material; Full round design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-41118	
1	Inter. Shaft		224-61118	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit		381-8015	

9 5.0L 307 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) Marine Applications Models 210 (210 HP); 215 (215 HP); 225 (225 HP); 230 (230 HP); 235 (235 HP); 245 (245 HP)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain		222-163	Double rlr.; 58 Links
1	Cam Sprocket		223-288	Double row; 44 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-274	210 & 215 HP

(continued on next page)

5.0L 307 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 9
Marine Applications Models 210 (210 HP); 215 (215 HP); 225 (225 HP); 230 (230 HP); 235 (235 HP); (cont.)
245 (245 HP)

V A L V E T R A I N	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	16	(cont.) Lifter		HT-817 Std Only	Hyd.
	16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
	1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit		KC-274	210 & 215 HP; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	16	Push Rod		RP-3212R	Chrome-Moly; 7.7900" O.A.L.
	16	Push Rod		RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
	16	Push Rod		RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
	16	Push Rod		RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
	16	Push Rod		RP-3093	7.7940" O.A.L.
	16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.
	16	Push Rod, Bulk		BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
	16	Push Rod, Bulk		BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm		R-862	
	16	Arm, Bulk		R-862B	Carton of 64
	16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
	16	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust		V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust		V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk		V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
	8	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake		V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk		V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide		VG-5005	.3430" ID, 2.2500" O.A.L.
	16	Guide		VG-5005H	Hardened; .3430" ID, 2.2500" O.A.L.
	16	Guide		VG-5005T	Threaded; .3425" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005B	Carton of 50; .3430" ID, 2.2500" O.A.L.
	16	Guide, Bulk		VG-5005TB	Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring		VS-727	Exh.; 245 HP Ser. No. 990318A & 230 HP; Incl. damper; 1.9100" Free Height
	16	Spring		VS-677	Exh. & Int.; Exc. 245 HP Ser. 990318A & 230 HP; Incl. damper; 2.0300" Free Height
	8	Spring		VS-677	Int.; 245 HP Ser. No. 990318A & 230 HP; Incl. damper; 2.0300" Free Height
	8	Spring, Bulk		VS-727B	Exh.; 245 HP Ser. No. 990318A & 230 HP; Incl. damper; Carton of 250; 1.9100" Free Height
	16	Spring, Bulk		VS-677B	Exh. & Int.; Exc. 245 HP Ser. 990318A & 230 HP; Incl. damper; Carton of 250; 2.0300" Free Height
	8	Spring, Bulk		VS-677B	Int.; 245 HP Ser. No. 990318A & 230 HP; Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.		245-1812-4 Std Only	1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-115	1 groove; Square cut key groove

(continued on next page)

OMC Marine

9 5.0L 307 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.)
(cont.) Marine Applications Models 210 (210 HP); 215 (215 HP); 225 (225 HP); 230 (230 HP); 235 (235 HP); 245 (245 HP)

QTY	VALVE, MISC (cont.)	YEARS	PART NO.	DESCRIPTION
32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
8	Rotocap		RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
8	Cast Piston		295AP + Std-20-30-40-60	225 & 245 Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 295P
8	Cast Piston		295P * Std-20-30-40-60	225 & 245 Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
8	Cast Piston - Individual		W295AP + Std Only	225 & 245 Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W295P
8	Cast Piston - Individual		W295P * Std Only	225 & 245 Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.655" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set		E-245K Std-20-30-40-60	2-5/64, 1-3/16
1	Standard Set		E-245X Std-20-30-40-60-80	2-5/64, 1-3/16
8	Premium Single Cylinder Set		WE-245K Std-30-40-60	2-5/64, 1-3/16
8	Standard Single Cylinder Set		WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4663M Std-1-2-10-20-30-40-60	A-Series aluminum bearings
1	Main Set		4663MA Std-1-2-10-20-30-40-60	
1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	
1	Rod Set		8-2555CA60 60	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy
8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	Unplated & resizeable
8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	A-Series aluminum bearings
8	Rod Pair		2555CA60 60	Overplated copper-lead alloy
1	Cam Set		1235M Std-1-10	Unplated & resizeable
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump		224-4146	Babbitt material; Full round design
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set		260-1510M	5/8" inlet
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit		381-8007	Standard Rotation; Two-piece rear main brg. seal, four-piece oil pan gskt., & rim bolt valve cover gskts. incl.
1	Steel Block Plug Kit		381-4011	

10 5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.)
Marine Applications Models 250/5.7 Litre (215 HP); 250/5.7 Litre (220 HP); 250/5.7 Litre (250 HP); 250/5.7 Litre (260 HP); 250/5.7 Litre (270 HP); 250/5.7 Litre (290 HP); 250 King Cobra (235 HP); 250 King Cobra (270 HP); 260 (250 HP); 260 (260 HP); 260 (270 HP); 260 (290 HP)

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain		222-163	Double rlr.; 58 Links
1	Cam Sprocket		223-288	Double row; 44 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft		CS-274	Standard Rotation
16	Lifter		HT-817 Std Only	Hyd.
16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
1	Prelube		55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit		KC-274	Standard Rotation; Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod		RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod		RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod		RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod		RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod		RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk		BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk		BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.

(continued on next page)

5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 10

Marine Applications Models 250/5.7 Litre (215 HP); 250/5.7 Litre (220 HP); 250/5.7 Litre (250 HP); (cont.) 250/5.7 Litre (260 HP); 250/5.7 Litre (270 HP); 250/5.7 Litre (290 HP); 250 King Cobra (235 HP); 250 King Cobra (270 HP); 260 (250 HP); 260 (250 HP); 260 (260 HP); 260 (270 HP); 260 (290 HP)

VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	16	Arm Assy.		R-826	Incl. arm, ball & nut
	16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64
	16	Arm		R-826A	
	16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
VALVE TRAIN	16	Stud		MR-1949	3/8" x 24 x 2.495"
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust		V-1888X Std-15	250 & 260 HP; w/o "M" & "M1" suffixes; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Exhaust		V-1904 Std-3-15-30	260 HP; w/"M" & "M1" suffixes; Chrome plated stem; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
	8	Exhaust, Bulk		V-1904B Std-15	260 HP; w/"M" & "M1" suffixes; Chrome plated stem; Carton of 25; 1.5000" Head Dia., .3414" Stem Dia., 4.9280" O.A.L.
VALVE TRAIN	8	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake		V-1926 Std-3-15	Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L.
	8	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk		V-1926B Std-15	Chrome plated stem; Carton of 25; 1.9400" Head Dia., .3410" Stem Dia., 4.8800" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Guide		VG-5005	Exh.; 250 & 260 HP; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005H	Exh.; 250 & 260 HP; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005T	Exh.; 250 & 260 HP; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide		VG-5046	Exh.; 290 HP; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
VALVE TRAIN	8	Guide, Bulk		VG-5005B	Exh.; 250 & 260 HP; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5005TB	Exh.; 250 & 260 HP; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Spring		VS-727	Exh.; 260 HP; Incl. damper; 1.9100" Free Height
	16	Spring		VS-677	Exh. & Int.; 250 & 290 HP; Incl. damper; 2.0300" Free Height
	16	Spring		VS-677	Exh. & Int.; 260 HP; Incl. damper; 2.0300" Free Height
	8	Spring, Bulk		VS-727B	Exh.; 260 HP; Incl. damper; Carton of 250; 1.9100" Free Height
	16	Spring, Bulk		VS-677B	Exh. & Int.; 250 & 290 HP; Incl. damper; Carton of 250; 2.0300" Free Height
VALVE TRAIN	16	Spring, Bulk		VS-677B	Exh. & Int.; 260 HP; Incl. damper; Carton of 250; 2.0300" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
VALVE TRAIN	16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	8	Int.		245-1812-4 Std Only	Exc. 290 HP; 1.8175" OD, 1.5625" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
VALVE TRAIN	32	Keeper		VK-115	1 groove; Square cut key groove
	32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	8	Rotocap		RC-157S	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		399P30 30-40	250 & 260 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/2 valve reliefs - 9.0:1 C.R.
	8	Cast Piston		H580CP Std-20-30-40-60-80	250, 260 & 290 HP; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs; DurOshield® skirt coated piston

(continued on next page)

OMC Marine

10 5.7L 350 OHV V8 (Chevrolet), 4" Bore (GMC Eng.)

(cont.) **Marine Applications** Models 250/5.7 Litre (215 HP); 250/5.7 Litre (220 HP); 250/5.7 Litre (250 HP); 250/5.7 Litre (260 HP); 250/5.7 Litre (270 HP); 250/5.7 Litre (290 HP); 250 King Cobra (235 HP); 250 King Cobra (270 HP); 260 (250 HP); 260 (260 HP); 260 (270 HP); 260 (290 HP)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Cast Piston		H580P Std-20-30-40-60-80	250, 260 & 290 HP; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs	
	8	Cast Piston - Individual		W399P30 30-40	250 & 260 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/2 valve reliefs - 9.0:1 C.R.	
	8	Cast Piston - Individual		WH580P Std-20-30-40-60-80	250, 260 & 290 HP; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs	
	1	Cast Piston Set w/Prem. Rings		8KH580CP30 30-40-60	250, 260 & 290 HP; Cast; 2-5/64", 1-3/16" Ring Groove, 1.550" CD, .9275" Pin Dia., Recessed Head .185" deep x 3.300" dia. w/2 valve reliefs; DurOshield® skirt coated piston	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set		4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.	
	1	Main Set		6688M10 10-20-30	A-Series aluminum bearings	
	1	Main Set		4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
	1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings ; .010" O/S length flange brg.	
	1	Main Set		7274MA10X20 10X20	A-Series aluminum bearings ; w/.020" O/S OD	
	1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	1	Rod Set		8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
	1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
	1	Rod Set		8-2555CA60 60	Unplated & resizeable	
	8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
	8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
	8	Rod Pair		2555CA60 60	Unplated & resizeable	
	1	Cam Set		1235M Std-1-10	Babbitt material; Full round design	
	1	Cam Set		1749M Std Only	Bi-Metal Aluminum	
	1	Cam Set		1750M Std Only	2.030" housing bore	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set		260-1517M	Reverse Rotation; One-piece rear main brg. seal, one-piece oil pan gskt. & both rim bolt & center bolt valve cover gskts. incl.	
	1	Kit Gasket Set		260-1516M	Standard Rotation; One-piece rear main brg. seal, one-piece oil pan gskt., & both rim bolt & center bolt valve cover gskts. incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit		381-8007		
	1	Steel Block Plug Kit		381-4011		

11 5.8L 351 OHV V8 (Windsor), 4" Bore (Ford Eng.) 1990-68

Marine Applications Models 5.8 Litre (210 HP); 5.8 Litre (215 HP); 5.8 Litre (235 HP); 5.8 Litre Cobra (240 HP); 250 (250 HP); 351 King Cobra (260 HP)

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	3 Piece Set		KT3-358SA	Incl. silent type chain; Incl. (1) 222-358, (1) 223-430, (1) 223-431	
	1	Timing Chain		222-358	Silent type; 58 Links	
	1	Crank Sprocket		223-431	If eng. is equipped with an oil shield, the oil shield must be discarded when installing crank sprocket 223-431; Use w/Silent type chain; 21 Teeth	
	1	Cam Sprocket		223-430	Use w/Silent type chain; 42 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft		CS-674	Standard Rotation	
	16	Lifter		HT-900 Std Only	Hyd.	
	16	Lifter		HT-900R Std Only	Speed-Pro Hi-Revolution Hyd.; Use w/adj. rocker assy.	

(continued on next page)

5.8L 351 OHV V8 (Windsor), 4" Bore (Ford Eng.) 1990-68 **11** **Marine Applications** Models 5.8 Litre (210 HP); 5.8 Litre (215 HP); 5.8 Litre (235 HP); 5.8 Litre Cobra (cont.) (240 HP); 250 (250 HP); 351 King Cobra (260 HP)

QTY	CAMSHAFT/LIFTER (cont.)	YEARS	PART NO.	DESCRIPTION
16 1	Lifter, Bulk Prelube		HT-900B Std Only 55-400	Hyd.; Carton of 122 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY 1	CAM KIT Cam/Lifter Kit	YEARS	PART NO. KC-674	DESCRIPTION Standard Rotation; Hyd.; Incl. (1) CS-674, (16) HT-900, (1) 55-403B
QTY 16 16	PUSH ROD Push Rod Push Rod	YEARS	PART NO. RP-3225R RP-3166	DESCRIPTION Chrome-Moly; 8.1440" O.A.L. Std. length; 8.1420" O.A.L.
QTY 16 16	ROCKER PARTS Arm Assy. Arm Assy., Bulk	YEARS	PART NO. R-847 R-847B	DESCRIPTION Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut Incl. arm, ball & nut; rail style rockers; Cast iron; w/stud type mount; Incl. 3/8" nut; Incl. 5/16" nut; Carton of 64
QTY 8 8 8 8 8	VALVE Exhaust Exhaust Exhaust, Bulk Intake Intake, Bulk	YEARS 76-75 74-68 74-68 74-68 74-68	PART NO. V-2044 Std Only V-1893 Std-15 V-1893B15 15 V-3926 Std-15 V-3926B15 15	DESCRIPTION Chrome plated stem; 1.4610" Head Dia., .3414" Stem Dia., 5.0700" O.A.L. Chrome plated stem; 1.5400" Head Dia., .3415" Stem Dia., 5.0700" O.A.L. Chrome plated stem; Carton of 25; 1.5400" Head Dia., .3565" Stem Dia., 5.0700" O.A.L. Chrome plated stem; 1.8420" Head Dia., .3420" Stem Dia., 5.0700" O.A.L. Chrome plated stem; Carton of 25; 1.8410" Head Dia., .3570" Stem Dia., 5.0700" O.A.L.
QTY 16 16 16 16 16	VALVE GUIDE Guide Guide Guide Guide, Bulk Guide, Bulk	YEARS	PART NO. VG-5005 VG-5005H VG-5005T VG-5005B VG-5005TB	DESCRIPTION .3430" ID, 2.2500" O.A.L. Hardened; .3430" ID, 2.2500" O.A.L. Threaded; .3425" ID, 2.2500" O.A.L. Carton of 50; .3430" ID, 2.2500" O.A.L. Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
QTY 16 16 16 16	VALVE SPRING Spring Spring Spring, Bulk Spring, Bulk	YEARS	PART NO. VS-718 VS-682 VS-718B VS-682B	DESCRIPTION From 4/23/70; 2.0280" Free Height To 4/22/70; Incl. damper; 2.1200" Free Height From 4/23/70; Carton of 250; 2.0280" Free Height To 4/22/70; Incl. damper; Carton of 200; 2.1200" Free Height
QTY 16 16 16 16	VALVE SEAL Valve Stem Seal Valve Stem Seal Valve Stem Seal Valve Stem Seal Bulk	YEARS	PART NO. MV-1903 ST-2001 MV-1906 ST-2001BC	DESCRIPTION Use w/repair guide; Positive type; Rubber Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE Umbrella type; Nylon Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY 8 8	VALVE SEAT Exh. Exh.	YEARS 76-75 74-68	PART NO. 245-1562-1 Std Only 245-1625-1 Std Only	DESCRIPTION 1975-76; 1.5675" OD, 1.3125" ID, .2160" Depth 1968-74; 1.6300" OD, 1.3750" ID, .2160" Depth
QTY 32 32 32	VALVE, MISC Keeper Keeper Keeper, Bulk	YEARS	PART NO. VK-115 VK-115R VK-115B	DESCRIPTION 1 groove; Square cut key groove 1 groove; Square cut key groove; Hardened 1 groove; Square cut key groove; Carton of 1000
QTY 8 8 1 1 8	PISTON Cast Piston Cast Piston - Individual Cast Piston Set w/Prem. Rings Cast Piston Set w/Econ. Rings Powerforged	YEARS	PART NO. 463P Std-20-30-40-60 W463P Std-20-30-40-60 8K463P30 20-30-40-60 8X463P30 30-40-60 L-2446F Std-30-40	DESCRIPTION Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R. Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R. Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R. Cast; 2-5/64", 1-3/16" Ring Groove, 1.752" CD, .9122" Pin Dia., Recessed Head .140" deep w/2 valve reliefs - 8.1:1 C.R. Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep. DurOshield® skirt coated piston.

(continued on next page)

OMC Marine

11 5.8L 351 OHV V8 (Windsor), 4" Bore (Ford Eng.) 1990-68
 (cont.) **Marine Applications** Models 5.8 Litre (210 HP); 5.8 Litre (215 HP); 5.8 Litre (235 HP); 5.8 Litre Cobra (240 HP); 250 (250 HP); 351 King Cobra (260 HP)

BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	8	Forged Piston - Individual		WL-2446F Std-30-40	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.772" CD, .9122" Pin Dia., Recessed Head .110" deep. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16	
BLOCK	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16	BLOCK
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-77	7154M10 10-20-30	.020" O/S length flange brg.	
	1	Main Set		5078M Std-1-10-20-30-40		
BLOCK	1	Main Set		5107M Std-1-10-20-30-40		BLOCK
	1	Main Set		5078MA Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Rod Set		8-3380CPA Std-1-10-20-30-40		
	1	Rod Set		8-3380A Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Rod Set		8-3380A10X2 10X2-20X2-30X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore	
	1	Rod Set		8-3380CPA10X2 10X2-20X2-30X2	Use in .002" O/S Rod Bore	
BLOCK	8	Rod Pair		3380CPA Std-1-10-20-30-40		BLOCK
	8	Rod Pair		3380A Std-1-10-20-30-40	A-Series aluminum bearings	
	1	Cam Set		1204M Std-10	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump		224-41143		
	1	Inter. Shaft		224-61143		
BLOCK	1	Screen Assy.		224-11143		BLOCK
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit		381-8015		

Opel

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.1L 1077cc OHV L4 75mm Bore (8 Valve)	1974-64	1	1.9L 1897cc SOHC L4 93mm Bore (8 Valve).....	1975-68	4
1.5L 1492cc SOHC L4 82.5mm Bore (8 Valve).....	1968	2			
1.8L 1817cc SOHC L4 84mm Bore (8 Valve) (Isuzu Eng.)	1979-76	3			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
G180Z.....	1.8L 1817cc SOHC L4 84mm Bore (8 Valve) (Isuzu Eng.)	3	1.9S	1.9L 1897cc SOHC L4 93mm Bore (8 Valve)	4

1 1.1L 1077cc OHV L4 (8 Valve), 75mm Bore 1974-64
 Eng. Codes "1.1N" 1965-74, "1.1R" 1969-72, "1.1S" 1970, "1.1SR" 1964-70

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Spring Insert	74-64	259-106B	.030"; Carton of 100

2 1.5L 1492cc SOHC L4 (8 Valve), 82.5mm Bore 1968
 Eng. Code "1.5S" 1968

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Chain Tensioner	68	222-340CT	

3 1.8L 1817cc SOHC L4 (8 Valve), 84mm Bore (Isuzu Eng.) 1979-76
 VIN Code "B" 1976-79, Eng. Code "G180Z" 1976-79

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	79-76	CS-720	
1	Prelube	79-76	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.

(continued on next page)

1.8L 1817cc SOHC L4 (8 Valve), 84mm Bore (Isuzu Eng.) 1979-76 3						
VIN Code "B" 1976-79, Eng. Code "G180Z" 1976-79 (cont.)						
BLOCK	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	79-76	R-901		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	79-76	V-2180	Std Only	Chrome plated stem; 1.3360" Head Dia., .3125" Stem Dia., 4.3620" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	79-76	VG-697	Exh.; .3148" ID, 2.1600" O.A.L.	
	4	Guide	79-76	VG-698	Int.; .3145" ID, 1.8000" O.A.L.	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	79-76	245-1750-51	Std Only	1.600" ID top taper; 1.7570" OD, 1.4100" ID, .2800" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	79-76	VK-215		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	79-76	4-3574Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	79-76	E-357KC	Std-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	79-76	E-357X	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	79-76	WE-357KC	Std-.50-.75MM	2-2.00MM, 1-4.00MM	
4	Standard Single Cylinder Set	79-76	WE-357X	Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
1	Main Set	79-76	5028M	Std-.25-.50-.75MM	Position 3	
1	Thrust Washer Set	79-76	3571BF	Std Only		
1	Rod Set	79-76	4-3570CPB	Std-.25-.50-.75-1.00MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	79-76	260-1090	PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		
RE-RING KIT					PREMIUM	ECONOMY
YEARS		DESCRIPTION		KIT NO.	KIT NO.	
79-76		PermaDry® molded rubber oil pan gskt. incl.; Premium valve stem seals incl.		205-829	205-329	
Re-ring						
1.9L 1897cc SOHC L4 (8 Valve), 93mm Bore 1975-68 4						
Eng. Code "1.9S" 1967-75						
QTY	TIMING	YEARS	PART NO.	DESCRIPTION		
1	Timing Chain Tensioner	75-68	222-340CT			
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
4	Exh.	75-68	245-1500-3	Std Only	1.5045" OD, 1.2500" ID, .2480" Depth	
4	Int.	75-68	245-1750-4	Std Only	1.7555" OD, 1.4375" ID, .2480" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
8	Spring Insert	75-68	259-200B	.030"; Carton of 100		
8	Spring Insert	75-68	259-200A	.060"; Carton of 100		

Peugeot

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.5L 1468cc OHV L4 80mm Bore (8 Valve)	1967-60	1	1.9L 1905cc DOHC L4 83mm Bore (16 Valve)	1990-89	5
1.6L 1618cc OHV L4 84mm Bore (8 Valve)	1969-61	2	2.0L 1971cc OHV L4 88mm Bore (8 Valve)	1987-71	6
1.8L 1796cc OHV L4 84mm Bore (8 Valve)	1970	3	2.1L 2112cc OHV Diesel L4 90mm Bore (8 Valve) ..	1976-74	7
1.9L 1905cc SOHC L4 83mm Bore (8 Valve)	1990-89	4			
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
XC-5	1.6L 1618cc OHV L4 84mm Bore (8 Valve)	2	XN-2	2.0L 1971cc OHV L4 88mm Bore (8 Valve)	6
XC-6	1.6L 1618cc OHV L4 84mm Bore (8 Valve)	2	XN-6	2.0L 1971cc OHV L4 88mm Bore (8 Valve)	6
XD-90	2.1L 2112cc OHV Diesel L4 90mm Bore (8 Valve)	7	XU-9J2	1.9L 1905cc SOHC L4 83mm Bore (8 Valve)	4
XM-1	1.8L 1796cc OHV L4 84mm Bore (8 Valve)	3	XU-9J4	1.9L 1905cc DOHC L4 83mm Bore (16 Valve)	5
XN-1	2.0L 1971cc OHV L4 88mm Bore (8 Valve)	6			

Peugeot

1 1.5L 1468cc OHV L4 (8 Valve), 80mm Bore 1967-60 Eng. Codes "TN-3" 1955-65, "XB-2" 1955-65, "XB-5" 1966-67					
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 67-60	PART NO. 4-2865RA Std Only	DESCRIPTION 404 crankshaft rod journals can be reground to .50MM; 504 crankshaft has roll-hardened journals and can be reground to only .30MM
2 1.6L 1618cc OHV L4 (8 Valve), 84mm Bore 1969-61 Eng. Codes "XC-5" 1961-66, "XC-6" 1967-70					
	QTY 1	PISTON Pin Bushing Set	YEARS 69-64	PART NO. 4-2514X	DESCRIPTION
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 69-61	PART NO. 4-2865RA Std Only	DESCRIPTION 404 crankshaft rod journals can be reground to .50MM; 504 crankshaft has roll-hardened journals and can be reground to only .30MM
3 1.8L 1796cc OHV L4 (8 Valve), 84mm Bore 1970 Eng. Code "XM-1" 1969-70					
	QTY 1	PISTON Pin Bushing Set	YEARS 70	PART NO. 4-2514X	DESCRIPTION
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 70	PART NO. 4-2865RA Std Only	DESCRIPTION 404 crankshaft rod journals can be reground to .50MM; 504 crankshaft has roll-hardened journals and can be reground to only .30MM
4 1.9L 1905cc SOHC L4 (8 Valve), 83mm Bore 1990-89 Eng. Code "XU-9J2" 1989-92					
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 90-89	PART NO. 4-1305RA Std Only	DESCRIPTION
5 1.9L 1905cc DOHC L4 (16 Valve), 83mm Bore 1990-89 Eng. Code "XU-9J4" 1989-92					
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 90-89	PART NO. 4-1305RA Std Only	DESCRIPTION
6 2.0L 1971cc OHV L4 (8 Valve), 88mm Bore 1987-71 Eng. Codes "XN-1" 1971-79, "XN-2" 1980-87, "XN-6" 1971-87					
B L O C K	QTY 1	PISTON Pin Bushing Set	YEARS 87-71	PART NO. 4-2514X	DESCRIPTION
	QTY 1	ENGINE BEARINGS Main Set	YEARS 81	PART NO. 6354M Std Only	DESCRIPTION To 10/81; 504 crankshaft has roll-hardened journals and can be reground to only .30MM
	1	Main Set	80-71	6354M Std Only	504 crankshaft has roll-hardened journals and can be reground to only .30MM
	1	Thrust Washer Set	87-71	61904BF Std Only	Position 5; w/A/T
	1	Rod Set	87-71	4-2865RA Std Only	404 crankshaft rod journals can be reground to .50MM; 504 crankshaft has roll-hardened journals and can be reground to only .30MM
7 2.1L 2112cc OHV Diesel L4 (8 Valve), 90mm Bore 1976-74 Eng. Code "XD-90" 1974-76					
	QTY 1	RINGS Premium Set	YEARS 76-74	PART NO. E-827KC Std Only	DESCRIPTION 3-2.00MM, 1-4.50MM

Plymouth - See Chrysler Corp. Car

Plymouth Minivans - See Dodge Truck

Pontiac - See GM Car

Renault

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.3L 1289cc OHV L4 73mm Bore (8 Valve)	1979-76	1	1.6L 1565cc OHV Turbo L4 77mm Bore (8 Valve)...	1983-82	4
1.4L 1397cc OHV L4 76mm Bore (8 Valve)	1987-80	2	1.6L 1647cc OHV L4 79mm Bore (8 Valve)	1983-72	5
1.6L 1565cc OHV L4 77mm Bore (8 Valve)	1975-69	3			

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
A7L	1.6L 1565cc OHV Turbo L4 77mm Bore (8 Valve)	4	821	1.6L 1565cc OHV L4 77mm Bore (8 Valve)	3
C3J	1.4L 1397cc OHV L4 76mm Bore (8 Valve)	2	841	1.6L 1647cc OHV L4 79mm Bore (8 Valve)	5
807	1.6L 1565cc OHV L4 77mm Bore (8 Valve)	3	843	1.6L 1647cc OHV L4 79mm Bore (8 Valve)	5
810	1.3L 1289cc OHV L4 73mm Bore (8 Valve)	1	847	1.4L 1397cc OHV L4 76mm Bore (8 Valve)	2

1.3L 1289cc OHV L4 (8 Valve), 73mm Bore 1979-76					1
Eng. Code "810" 1968-79					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	79-76	60476BF Std Only	Position 3	

1.4L 1397cc OHV L4 (8 Valve), 76mm Bore 1987-80					2
Eng. Codes "C3J" 1983-87, "847" 1980-84					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Chain	82-81	222-3DR58	Double rlr.; 58 Links	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	87-80	60476BF Std Only	Position 3	

1.6L 1565cc OHV L4 (8 Valve), 77mm Bore 1975-69					3
Eng. Codes "807" 1972-75, "821" 1968-72					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	75-69	60476BF Std Only	Position 3	

1.6L 1565cc OHV Turbo L4 (8 Valve), 77mm Bore 1983-82					4
Eng. Code "A7L" 1982-85					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	83-82	60476BF Std Only	Position 3	

1.6L 1647cc OHV L4 (8 Valve), 79mm Bore 1983-72					5
Eng. Code "841" 1972-74 & 1981-83, "843" 1974-79					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	83-81	60476BF Std Only	Position 3	
1	Thrust Washer Set	79-72	60476BF Std Only	Position 3	

Rover Truck

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
2.3L 2286cc OHV L4 90.5mm Bore (8 Valve) L/D Truck	1973-58	1	3.5L 3528cc OHV V8 88.9mm Bore (Buick) L/D Truck	1988-70	2

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
14D	3.5L 3528cc OHV V8 88.9mm Bore (Buick) L/D Truck	2	398	3.5L 3528cc OHV V8 88.9mm Bore (Buick) L/D Truck	2
355	3.5L 3528cc OHV V8 88.9mm Bore (Buick) L/D Truck	2			

2.3L 2286cc OHV L4 (8 Valve), 90.5mm Bore 1973-58					1
L/D Truck					
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	73-58	E-658KC Std Only	2-.071, 1-3/16	

3.5L 3528cc OHV V8 (Buick), 88.9mm Bore 1988-70					2
L/D Truck Eng. Codes "14D" 1982-86, "31D" 1987-88, "355" 1972-77, "398" 1978-81					
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	73-70	E-236K Std-30	2-5/64, 1-3/16	
1	Standard Set	73-70	E-236X Std-30-40	2-5/64, 1-3/16	
8	Premium Single Cylinder Set	73-70	WE-236K Std-30	2-5/64, 1-3/16	

(continued on next page)

Rover Truck

2 3.5L 3528cc OHV V8 (Buick), 88.9mm Bore 1988-70 (cont.) L/D Truck Eng. Codes "14D" 1982-86, "31D" 1987-88, "355" 1972-77, "398" 1978-81					
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	8	Standard Single Cylinder Set	73-70	WE-236X Std-30-40	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	88-70	4096MA Std-10-20-30	A-Series aluminum bearings
	1	Main Set	88-70	7427MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.
	1	Rod Set	88-70	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings
BLOCK	8	Rod Pair	88-70	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
	1	Cam Set	88-70	1421M Std Only	

Saab

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.5L 1498cc OHV V4 90mm Bore (8 Valve) (Ford Europe Eng.)	1969-67	1	2.0L 1985cc DOHC Turbo L4 90mm Bore (16 Valve)	1990-85	4
1.7L 1699cc OHV V4 90mm Bore (8 Valve) (Ford Europe Eng.)	1974-69	2	2.0L 1985cc SOHC L4 90mm Bore (8 Valve)	1988-73	5
2.0L 1985cc DOHC L4 90mm Bore (16 Valve)	1990-86	3	2.0L 1985cc SOHC Turbo L4 90mm Bore (8 Valve)	1984-78	6

Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
B20	2.0L 1985cc SOHC L4 90mm Bore (8 Valve)	5	B202L	2.0L 1985cc DOHC Turbo L4 90mm Bore (16 Valve)	4
B201	2.0L 1985cc SOHC L4 90mm Bore (8 Valve)	5	B204L	2.0L 1985cc DOHC Turbo L4 90mm Bore (16 Valve)	4
B201I	2.0L 1985cc SOHC L4 90mm Bore (8 Valve)	5	B205L	2.0L 1985cc DOHC Turbo L4 90mm Bore (16 Valve)	4
B202	2.0L 1985cc SOHC Turbo L4 90mm Bore (8 Valve)	6	B205R	2.0L 1985cc DOHC Turbo L4 90mm Bore (16 Valve)	4
B202I	2.0L 1985cc DOHC L4 90mm Bore (16 Valve)	3			

1 1.5L 1498cc OHV V4 (8 Valve), 90mm Bore (Ford Europe Eng.) 1969-67					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	69-67	4-3055CP10 10		
4	Rod Pair	69-67	3055CP Std-10-20-30		
2 1.7L 1699cc OHV V4 (8 Valve), 90mm Bore (Ford Europe Eng.) 1974-69					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	74-69	4-3055CP10 10		
4	Rod Pair	74-69	3055CP Std-10-20-30		
3 2.0L 1985cc DOHC L4 (16 Valve), 90mm Bore 1990-86 Eng. Code "B202I" 1986-90					
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Int.	90-86	245-1375-51 Std Only	1.3820" OD, 1.0600" ID, .2800" Depth	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	90-86	4-1470CP Std-.25MM		
4 2.0L 1985cc DOHC Turbo L4 (16 Valve), 90mm Bore 1990-85 Eng. Codes "B202L" 1985-94, "B204L" 1994-98, "B205L" 1999-2001, "B205R" 1999-2003					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	90-85	4-1470CP Std-.25MM		
5 2.0L 1985cc SOHC L4 (8 Valve), 90mm Bore 1988-73 Eng. Codes "B20" 1972-80, "B201" 1981-88, "B201I" 1979-88					
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	81-75	VG-774	Std. OD; .3145" ID, 1.8425" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	88-73	ST-2056	Positive type; Rubber	
8	Valve Stem Seal	88-73	ST-2137	Positive type; Viton®	

(continued on next page)

2.0L 1985cc SOHC L4 (8 Valve), 90mm Bore 1988-73 5				
Eng. Codes "B20" 1972-80, "B201" 1981-88, "B2011" 1979-88 (cont.)				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	88-73	4-1470CP Std-.25MM	

2.0L 1985cc SOHC Turbo L4 (8 Valve), 90mm Bore 1984-78 6				
Eng. Code "B201L" 1978-84				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	84-78	4-1470CP Std-.25MM	

Standard Motors

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year
1.3L 1296cc OHV L4 73.7mm Bore (8 Valve)	1972-70	1	2.5L 2498cc OHV L6 74.7mm Bore (12 Valve)	1976-68
1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	1980-73	2	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)	1981-77
2.0L 1998cc OHV L6 74.7mm Bore (12 Valve)	1973-67	3		

Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description
ADM.....	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	2	KD.....	2.0L 1998cc OHV L6 74.7mm Bore (12 Valve)
ADS.....	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	2	KF.....	2.0L 1998cc OHV L6 74.7mm Bore (12 Valve)
CC.....	2.5L 2498cc OHV L6 74.7mm Bore (12 Valve)	4	10E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
CF.....	2.5L 2498cc OHV L6 74.7mm Bore (12 Valve)	4	11E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
CP.....	2.5L 2498cc OHV L6 74.7mm Bore (12 Valve)	4	12E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
CR.....	2.5L 2498cc OHV L6 74.7mm Bore (12 Valve)	4	13E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
FE.....	1.3L 1296cc OHV L4 73.7mm Bore (8 Valve)	1	14E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
FM.....	1.5L 1493cc OHV L4 73.7mm Bore (8 Valve)	2	15E.....	3.5L 3528cc OHV V8 88.9mm Bore (Buick) (Rover Eng.)
KC.....	2.0L 1998cc OHV L6 74.7mm Bore (12 Valve)	3		

1.3L 1296cc OHV L4 (8 Valve), 73.7mm Bore 1972-70 1				
Eng. Code "FE" 1967-72				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	72-70	65931AF Std Only	Position 3

1.5L 1493cc OHV L4 (8 Valve), 73.7mm Bore 1980-73 2				
Eng. Codes "ADM" 1973-80, "ADS" 1973-80, "FM" 1973-80				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	80-73	65931AF Std Only	Position 3

2.0L 1998cc OHV L6 (12 Valve), 74.7mm Bore 1973-67 3				
Eng. Codes "KC" 1967, "KD" 1968-71, "KF" 1972-73				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	73-67	65931AF Std Only	Position 3

2.5L 2498cc OHV L6 (12 Valve), 74.7mm Bore 1976-68 4				
Eng. Codes "CC" 1967-76, "CF" 1974-76, "CP" 1972-76, "CR" 1974-76				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	76-68	65931AF Std Only	Position 3

3.5L 3528cc OHV V8 (Buick), 88.9mm Bore (Rover Eng.) 1981-77 5				
Eng. Codes "10E" 1977-82, "11E" 1977-82, "12E" 1977-82, "13E" 1977-82, "14E" 1980-82, "15E" 1980-82				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	81-77	4096MA Std-10-20-30	A-Series aluminum bearings
1	Main Set	81-77	7427MA40 40	A-Series aluminum bearings; w/.020" O/S length flange brg.
1	Rod Set	81-77	8-2500RAA Std-10-20-30-40	A-Series aluminum bearings

(continued on next page)

Standard Motors

5 3.5L 3528cc OHV V8 (Buick), 88.9mm Bore (Rover Eng.) 1981-77 (cont.) Eng. Codes "10E" 1977-82, "11E" 1977-82, "12E" 1977-82, "13E" 1977-82, "14E" 1980-82, "15E" 1980-82				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
8	(cont.) Rod Pair	81-77	2500RAA Std-1-2-10-20-30-40	A-Series aluminum bearings
1	Cam Set	81-77	1421M Std Only	

Studebaker Car

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year
2.8L 169.6 OHV L6 3" Bore (12 Valve)	1964-61	1	4.2L 259 OHV V8 3.5625" Bore (16 Valve)	1964-55
3.2L 194 OHV L6 3.5625" Bore (Chevrolet) (GMC Eng.)	1966-65	2	4.6L 283 OHV V8 3.875" Bore (Chevrolet) (GMC Eng.)	1966-65
3.7L 224 OHV V8 3.5625" Bore (16 Valve)	1955	3	4.7L 289 OHV V8 3.5625" Bore (16 Valve)	1964-55
3.8L 232 OHV V8 3.375" Bore (16 Valve)	1954-51	4		

1 2.8L 169.6 OHV L6 (12 Valve), 3" Bore 1964-61 VIN Code "S" 1961-64				
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	64-61	VG-450	Int.; .3435" ID, 3.0000" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	64-61	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	64-61	MV-1598C	Umbrella type; Rubber
12	Valve Stem Seal Bulk	64-61	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
12	Valve Stem Seal Bulk	64-61	MV-1598	Umbrella type; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	64-61	VK-115	1 groove; Square cut key groove
24	Keeper	64-61	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	64-61	VK-115B	1 groove; Square cut key groove; Carton of 1000
2 3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore (GMC Eng.) 1966-65				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Crank Gear	66-65	221-2537	27 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	66-65	CS-633	
12	Lifter	66-65	HT-817 Std Only	Hyd.
12	Lifter, Bulk	66-65	HT-817B Std Only	Hyd.; Carton of 128
1	Prelube	66-65	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	66-65	KC-633	Hyd.; Incl. (1) CS-633, (12) HT-817, (1) 55-403B
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
12	Push Rod	66-65	RP-3214R	Chrome-Moly; 9.6800" O.A.L.
12	Push Rod	66-65	RP-3180	9.6800" O.A.L.
12	Push Rod, Bulk	66-65	BRP-3180	Carton of 100; 9.6800" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
12	Arm Assy.	66-65	R-832	Incl. arm, ball & nut
12	Arm Assy., Bulk	66-65	R-832B	Incl. arm, ball & nut; Carton of 64
12	Arm	66-65	R-832A	
12	Pivot Ball	66-65	MR-1780	
12	Nut	66-65	MR-1751	Self-locking, 3/8" x 24 threads
12	Stud	66-65	MR-1752	.003" O/S, 3/8" x 24 x 2.495"
12	Stud	66-65	MR-1949	3/8" x 24 x 2.495"
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	66-65	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
6	Exhaust	66-65	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Exhaust, Bulk	66-65	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.
6	Intake	66-65	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
6	Intake, Bulk	66-65	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.

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Studebaker Car

3.2L 194 OHV L6 (Chevrolet), 3.5625" Bore (GMC Eng.) 1966-65 **2**
(cont.)

QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	66-65	VS-653	w/o Rotocaps; 1.9000" Free Height
12	Spring	66-65	VS-521	W/Rotocaps; Incl. damper; 2.1090" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	66-65	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE
12	Valve Stem Seal	66-65	MV-1233C	O-Ring; Rubber
12	Valve Stem Seal Bulk	66-65	MV-1233	O-Ring; Carton of 100; Rubber
12	Valve Stem Seal Bulk	66-65	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	66-65	VK-115	1 groove; Square cut key groove
24	Keeper	66-65	VK-115R	1 groove; Square cut key groove; Hardened
24	Keeper, Bulk	66-65	VK-115B	1 groove; Square cut key groove; Carton of 1000
6	Rotocap	66-65	RC-157S	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	66-65	311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
6	Cast Piston - Individual	66-65	W311P Std Only	Cast; 2-5/64", 1-3/16" Ring Groove, 1.779" CD, .9275" Pin Dia., Flat Head - 8.3:1 C.R.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Standard Set	66-65	E-250X Std-30-40	2-5/64, 1-3/16
6	Standard Single Cylinder Set	66-65	WE-250X Std Only	2-5/64, 1-3/16
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	66-65	4124MA Std-1-10-20-30-40-50-60	A-Series aluminum bearings
1	Rod Set	66-65	6-2020CP Std-10-20-30-40	6-2020CA 60 avail. as unplated & resizeable
1	Rod Set	66-65	6-2020CA60 60	Unplated & resizeable
6	Rod Pair	66-65	2020CP Std-1-2-10-20-30-40-50	
1	Cam Set	66-65	1203M Std Only	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	66-65	224-4147	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	66-65	260-1005	

3.7L 224 OHV V8 (16 Valve), 3.5625" Bore 1955 **3**

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	55	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.
8	Guide	55	VG-450	Int.; .3435" ID, 3.0000" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	55	ST-2003	Positive type; Installation requires valve guide machining; Rubber
16	Valve Stem Seal	55	ST-2092	Positive type; Rubber
16	Valve Stem Seal	55	MV-1598C	Umbrella type; Rubber
16	Valve Stem Seal Bulk	55	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
16	Valve Stem Seal Bulk	55	MV-1598	Umbrella type; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	55	VK-115	1 groove; Square cut key groove
32	Keeper	55	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	55	VK-115B	1 groove; Square cut key groove; Carton of 1000
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
8	Rod Pair	55	1785CP Std-20	

3.8L 232 OHV V8 (16 Valve), 3.375" Bore 1954-51 **4**

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	54-52	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.
8	Guide	54-52	VG-450	Int.; .3435" ID, 3.0000" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
16	Valve Stem Seal	54-52	MV-1233C	O-Ring; Rubber
16	Valve Stem Seal Bulk	54-52	MV-1233	O-Ring; Carton of 100; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
32	Keeper	54-52	VK-115	1 groove; Square cut key groove
32	Keeper	54-52	VK-115R	1 groove; Square cut key groove; Hardened
32	Keeper, Bulk	54-52	VK-115B	1 groove; Square cut key groove; Carton of 1000

(continued on next page)

Studebaker Car

4 3.8L 232 OHV V8 (16 Valve), 3.375" Bore 1954-51 (cont.)					
QTY	SLEEVE	YEARS	PART NO.	DESCRIPTION	
1	Repair Sleeve	54-52	SL-13M Std Only	3/32" wall, must be cut to correct length	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	54-51	1785CP Std-20		
5 4.2L 259 OHV V8 (16 Valve), 3.5625" Bore 1964-55 VIN Code "V" 1960-64					
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	64-55	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.	
8	Guide	64-55	VG-456	Int.; .532" OD; .3120" ID, 2.0940" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	64-55	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
16	Valve Stem Seal	64-55	ST-2092	Positive type; Rubber	
16	Valve Stem Seal	64-55	MV-1598C	Umbrella type; Rubber	
16	Valve Stem Seal Bulk	64-55	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
16	Valve Stem Seal Bulk	64-55	MV-1598	Umbrella type; Carton of 100; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	64-55	245-1625-15 Std Only	1.6300" OD, 1.3750" ID, .2656" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	64-55	VK-115	1 groove; Square cut key groove	
32	Keeper	64-55	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	64-55	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	64-55	1785CP Std-20		
6 4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 1966-65					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	3 Piece Set	66-65	KT3-489S	Incl. (1) 222-489, (1) 223-261, (1) 223-262	
1	Timing Chain	66-65	222-489	46 Links	
1	Crank Sprocket	66-65	223-262	18 Teeth	
1	Cam Sprocket	66-65	223-261	36 Teeth	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	66-65	CS-274	Hyd.	
16	Lifter	66-65	HT-817 Std Only	Hyd.; Carton of 128	
16	Lifter, Bulk	66-65	HT-817B Std Only	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
1	Prelube	66-65	55-400		
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
1	Cam/Lifter Kit	66-65	KC-274	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) 55-403B	
1	Cam/Lifter/Timing Kit	66-65	KCT-274A	Hyd.; Incl. (1) CS-274, (16) HT-817, (1) KT3-489S, (1) 55-403B	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod	66-65	RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
16	Push Rod	66-65	RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
16	Push Rod	66-65	RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
16	Push Rod	66-65	RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
16	Push Rod	66-65	RP-3093	7.7940" O.A.L.	
16	Push Rod, Bulk	66-65	BRP-3093	Carton of 100; 7.7940" O.A.L.	
16	Push Rod, Bulk	66-65	BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
16	Push Rod, Bulk	66-65	BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
16	Arm Assy.	66-65	R-826	Incl. arm, ball & nut	
16	Arm Assy., Bulk	66-65	R-826B	Incl. arm, ball & nut; Carton of 64	
16	Arm	66-65	R-826A		
16	Pivot Ball	66-65	MR-1783		
16	Nut	66-65	MR-1751	Self-locking, 3/8" x 24 threads	
16	Stud	66-65	MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
16	Stud	66-65	MR-1949	3/8" x 24 x 2.495"	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust	66-65	V-1888X Std-15	Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
8	Exhaust	66-65	V-1199 Std-3-5-15-30	1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
8	Exhaust, Bulk	66-65	V-1199B Std-15	Carton of 25; 1.5000" Head Dia., .3415" Stem Dia., 4.9280" O.A.L.	
8	Intake	66-65	V-1200 Std-3-15-30	1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	
8	Intake, Bulk	66-65	V-1200B Std Only	Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.	

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Studebaker Car

4.6L 283 OHV V8 (Chevrolet), 3.875" Bore (GMC Eng.) 1966-65 **6**
(cont.)

VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	8	Guide	66-65	VG-5006	Exh.; .3440" ID, 2.3750" O.A.L.	
	16	Guide	66-65	VG-5005T	Exh. & Int.; Threaded; .3425" ID, 2.2500" O.A.L.	
	8	Guide	66-65	VG-5005	Int.; .3430" ID, 2.2500" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	66-65	VS-521	Incl. damper; 2.1090" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	66-65	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
	16	Valve Stem Seal	66-65	MV-1233C	O-Ring; Rubber	
	16	Valve Stem Seal Bulk	66-65	MV-1233	O-Ring; Carton of 100; Rubber	
BLOCK	16	Valve Stem Seal Bulk	66-65	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	BLOCK
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	66-65	VK-115	1 groove; Square cut key groove	
	32	Keeper	66-65	VK-115R	1 groove; Square cut key groove; Hardened	
	32	Keeper, Bulk	66-65	VK-115B	1 groove; Square cut key groove; Carton of 1000	
	8	Rotocap	66-65	RC-157S		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	8	Cast Piston	66-65	235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use 235NP	
	8	Cast Piston	66-65	235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	
	8	Cast Piston - Individual	66-65	W235P + Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; When depleted use W235NP	
BLOCK	8	Cast Piston - Individual	66-65	W235NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.780" CD, .9278" Pin Dia., Flat Head w/4 valve reliefs	BLOCK
	8	Powerforged	66-65	L-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	8	Forged Piston - Individual	66-65	WL-2163F30 30-40-60	Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.795" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	66-65	E-245K Std-20-30-40-60	2-5/64, 1-3/16	
	1	Standard Set	66-65	E-245X Std-20-30-40-60-80	2-5/64, 1-3/16	
	8	Premium Single Cylinder Set	66-65	WE-245K Std-30-40-60	2-5/64, 1-3/16	
	8	Standard Single Cylinder Set	66-65	WE-245X Std-20-30-40-60-80	2-5/64, 1-3/16	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	66-65	994M Std-1-10-20-30-40		
KITS	1	Rod Set	66-65	8-2020CP Std-1-10-20-30-40		KITS
	8	Rod Pair	66-65	2020CP Std-1-2-10-20-30-40-50		
	1	Cam Set	66-65	1235M Std-1-10	Babbitt material; Full round design	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	66-65	224-4143	High Volume, check pan for clearance; 5/8" inlet; Use shaft w/steel guide	
	1	Oil Pump	66-65	224-4146	5/8" inlet	
	1	Pump Repair Kit	66-65	224-519		
	1	Inter. Shaft	66-65	224-6146E	Has steel shaft guide; Eliminates nylon shaft guide	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	66-65	260-1000		
KITS	2	Head Bolt Set	66-65	260-2500		KITS
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	66-65	381-8007		
	1	Steel Block Plug Kit	66-65	381-4011		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	66-65		Re-ring		205-619	205-119
			Re-ring w/Mains		205-619M	205-119M
	OVERHAUL KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	66-65	Incl. 5/8" inlet oil pump	Master		MKP-619D	MKP-119D
			Master w/o Pistons		MK-619D	MK-119D
			Master w/o Rods & Mains		505-619D	505-119D

Studebaker Car

7 4.7L 289 OHV V8 (16 Valve), 3.5625" Bore 1964-55 VIN Code "P" 1960-64					
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	64-56	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.
	8	Guide	64-56	VG-450	Int.; .3435" ID, 3.0000" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal	64-56	ST-2003	Positive type; Installation requires valve guide machining; Rubber
	16	Valve Stem Seal	64-56	ST-2092	Positive type; Rubber
	16	Valve Stem Seal	64-56	MV-1598C	Umbrella type; Rubber
	16	Valve Stem Seal Bulk	64-56	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber
	16	Valve Stem Seal Bulk	64-56	MV-1598	Umbrella type; Carton of 100; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	64-56	245-1625-15 Std Only	1.6300" OD, 1.3750" ID, .2656" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	64-56	VK-115	1 groove; Square cut key groove	
32	Keeper	64-56	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	64-56	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	64-55	1785CP Std-20		

Studebaker Truck

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
2.8L 169.6 OHV L6 3" Bore (12 Valve) L/D Truck.....	1964-61	 1	4.7L 289 OHV V8 3.5625" Bore (16 Valve) L/D Truck.....	1964-57	 4
3.7L 224 OHV V8 3.5625" Bore (16 Valve) L/D Truck.....	1956-55	 2			
4.2L 259 OHV V8 3.5625" Bore (16 Valve) L/D Truck.....	1964-57	 3			

1 2.8L 169.6 OHV L6 (12 Valve), 3" Bore 1964-61 L/D Truck VIN Code "S" 1961-64					
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
6	Guide	64-61	VG-450	Int.; .3435" ID, 3.0000" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
12	Valve Stem Seal	64-61	ST-2001	Positive type; Installation requires valve guide machining; Rubber/PTFE	
12	Valve Stem Seal	64-61	MV-1598C	Umbrella type; Rubber	
12	Valve Stem Seal Bulk	64-61	ST-2001BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE	
12	Valve Stem Seal Bulk	64-61	MV-1598	Umbrella type; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
24	Keeper	64-61	VK-115	1 groove; Square cut key groove	
24	Keeper	64-61	VK-115R	1 groove; Square cut key groove; Hardened	
24	Keeper, Bulk	64-61	VK-115B	1 groove; Square cut key groove; Carton of 1000	
2 3.7L 224 OHV V8 (16 Valve), 3.5625" Bore 1956-55 L/D Truck					
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	56-55	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.	
8	Guide	56-55	VG-450	Int.; .3435" ID, 3.0000" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	56-55	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
16	Valve Stem Seal	56-55	ST-2092	Positive type; Rubber	
16	Valve Stem Seal	56-55	MV-1598C	Umbrella type; Rubber	
16	Valve Stem Seal Bulk	56-55	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
16	Valve Stem Seal Bulk	56-55	MV-1598	Umbrella type; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	56-55	VK-115	1 groove; Square cut key groove	
32	Keeper	56-55	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	56-55	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	56-55	1785CP Std-20		

Studebaker Truck

4.2L 259 OHV V8 (16 Valve), 3.5625" Bore 1964-57 L/D Truck					3
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	64-57	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.	
8	Guide	64-57	VG-450	Int.; .3435" ID, 3.0000" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	64-57	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
16	Valve Stem Seal	64-57	ST-2092	Positive type; Rubber	
16	Valve Stem Seal	64-57	MV-1598C	Umbrella type; Rubber	
16	Valve Stem Seal Bulk	64-57	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
16	Valve Stem Seal Bulk	64-57	MV-1598	Umbrella type; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	64-57	VK-115	1 groove; Square cut key groove	
32	Keeper	64-57	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	64-57	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	64-57	1785CP	Std-20	
4.7L 289 OHV V8 (16 Valve), 3.5625" Bore 1964-57 L/D Truck					4
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	64-57	VG-449	Exh.; .3445" ID, 2.6250" O.A.L.	
8	Guide	64-57	VG-450	Int.; .3435" ID, 3.0000" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	64-57	ST-2003	Positive type; Installation requires valve guide machining; Rubber	
16	Valve Stem Seal	64-57	ST-2092	Positive type; Rubber	
16	Valve Stem Seal	64-57	MV-1598C	Umbrella type; Rubber	
16	Valve Stem Seal Bulk	64-57	ST-2003BC	Positive type; Installation requires valve guide machining; Carton of 100; Rubber	
16	Valve Stem Seal Bulk	64-57	MV-1598	Umbrella type; Carton of 100; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
32	Keeper	64-57	VK-115	1 groove; Square cut key groove	
32	Keeper	64-57	VK-115R	1 groove; Square cut key groove; Hardened	
32	Keeper, Bulk	64-57	VK-115B	1 groove; Square cut key groove; Carton of 1000	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
8	Rod Pair	64-59	1785CP	Std-20	

Subaru Car

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.1L 1088cc OHV H4 76mm Bore (8 Valve).....	1971-70	1	1.8L 1781cc SOHC Turbo H4 92mm Bore (8 Valve).....	1990-85 8
1.2L 1189cc SOHC L3 78mm Bore (9 Valve).....	1990-87	2	1.8L 1781cc OHV Turbo H4 92mm Bore (8 Valve) ..	1984-83 9
1.3L 1267cc OHV H4 82mm Bore (8 Valve).....	1972-70	3	2.2L 2212cc SOHC H4 96.9mm Bore (16 Valve).....	1990 10
1.4L 1361cc OHV H4 85mm Bore (8 Valve).....	1976-73	4	2.2L 2212cc SOHC Turbo H4 96.9mm Bore (16 Valve).....	1990 11
1.6L 1595cc OHV H4 92mm Bore (8 Valve).....	1988-76	5	2.7L 2672cc SOHC H6 92mm Bore (12 Valve).....	1990-88 12
1.8L 1781cc OHV H4 92mm Bore (8 Valve).....	1988-80	6		
1.8L 1781cc SOHC H4 92mm Bore (8 Valve).....	1990-85	7		
Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
EA62.....	1.3L 1267cc OHV H4 82mm Bore (8 Valve).....	3	EF12.....	1.2L 1189cc SOHC L3 78mm Bore (9 Valve)..... 2
EA63.....	1.4L 1361cc OHV H4 85mm Bore (8 Valve).....	4	EJ22E.....	2.2L 2212cc SOHC H4 96.9mm Bore (16 Valve)..... 10
EA71.....	1.6L 1595cc OHV H4 92mm Bore (8 Valve).....	5	EJ22EZ.....	2.2L 2212cc SOHC H4 96.9mm Bore (16 Valve)..... 10
EA81.....	1.8L 1781cc OHV H4 92mm Bore (8 Valve).....	6	EJ22T.....	2.2L 2212cc SOHC Turbo H4 96.9mm Bore (16 Valve)..... 11
EA81T.....	1.8L 1781cc OHV Turbo H4 92mm Bore (8 Valve).....	9	EJ222.....	2.2L 2212cc SOHC H4 96.9mm Bore (16 Valve)..... 10
EA82.....	1.8L 1781cc SOHC H4 92mm Bore (8 Valve).....	7	ER27.....	2.7L 2672cc SOHC H6 92mm Bore (12 Valve)..... 12
EA82T.....	1.8L 1781cc SOHC Turbo H4 92mm Bore (8 Valve).....	8		

Subaru Car

1 1.1L 1088cc OHV H4 (8 Valve), 76mm Bore 1971-70 Eng. Code "EA61" 1970-71																																																		
<table><tr><td>QTY</td><td>RINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Premium Set</td><td>71-70</td><td>E-356KC</td><td>Std-10-20-30-40-60 2-5/64, 1-3/16</td></tr><tr><td>1</td><td>Standard Set</td><td>71-70</td><td>E-356X</td><td>Std-20-30-40-60 2-5/64, 1-3/16</td></tr><tr><td>4</td><td>Standard Single Cylinder Set</td><td>71-70</td><td>WE-356X</td><td>Std-20-30-40-60 2-5/64, 1-3/16</td></tr><tr><td>QTY</td><td>ENGINE BEARINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Rod Set</td><td>71-70</td><td>4-67365RA</td><td>Std-.25-.50MM</td></tr></table>						QTY	RINGS	YEARS	PART NO.	DESCRIPTION	1	Premium Set	71-70	E-356KC	Std-10-20-30-40-60 2-5/64, 1-3/16	1	Standard Set	71-70	E-356X	Std-20-30-40-60 2-5/64, 1-3/16	4	Standard Single Cylinder Set	71-70	WE-356X	Std-20-30-40-60 2-5/64, 1-3/16	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	1	Rod Set	71-70	4-67365RA	Std-.25-.50MM															
QTY	RINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Premium Set	71-70	E-356KC	Std-10-20-30-40-60 2-5/64, 1-3/16																																														
1	Standard Set	71-70	E-356X	Std-20-30-40-60 2-5/64, 1-3/16																																														
4	Standard Single Cylinder Set	71-70	WE-356X	Std-20-30-40-60 2-5/64, 1-3/16																																														
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Rod Set	71-70	4-67365RA	Std-.25-.50MM																																														
2 1.2L 1189cc SOHC L3 (9 Valve), 78mm Bore 1990-87 Eng. Code "EF12" 1987-94																																																		
<table><tr><td>QTY</td><td>VALVE</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>3</td><td>Exhaust</td><td>90-87</td><td>V-4197</td><td>Std Only Chrome plated stem; 1.2990" Head Dia., .2738" Stem Dia., 4.2720" O.A.L.</td></tr><tr><td>QTY</td><td>ENGINE BEARINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Main Set</td><td>90-87</td><td>7350M</td><td>Std Only</td></tr><tr><td>3</td><td>Rod Pair</td><td>90-87</td><td>4575P</td><td>Std-.25MM</td></tr></table>						QTY	VALVE	YEARS	PART NO.	DESCRIPTION	3	Exhaust	90-87	V-4197	Std Only Chrome plated stem; 1.2990" Head Dia., .2738" Stem Dia., 4.2720" O.A.L.	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	1	Main Set	90-87	7350M	Std Only	3	Rod Pair	90-87	4575P	Std-.25MM																				
QTY	VALVE	YEARS	PART NO.	DESCRIPTION																																														
3	Exhaust	90-87	V-4197	Std Only Chrome plated stem; 1.2990" Head Dia., .2738" Stem Dia., 4.2720" O.A.L.																																														
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Main Set	90-87	7350M	Std Only																																														
3	Rod Pair	90-87	4575P	Std-.25MM																																														
3 1.3L 1267cc OHV H4 (8 Valve), 82mm Bore 1972-70 Eng. Code "EA62" 1970-72																																																		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																																													
	1	Premium Set	72	E-359KC	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM																																													
	1	Standard Set	72	E-359X	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM																																													
	4	Premium Single Cylinder Set	72	WE-359KC	Std-.75-1.00MM 2-2.00MM, 1-4.00MM																																													
	4	Standard Single Cylinder Set	72	WE-359X.75MM	.75-1.00MM 2-2.00MM, 1-4.00MM																																													
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																													
	1	Rod Set	72-70	4-67365RA	Std-.25-.50MM																																													
4 1.4L 1361cc OHV H4 (8 Valve), 85mm Bore 1976-73 Eng. Code "EA63" 1973-76																																																		
<table><tr><td>QTY</td><td>VALVE SEAT</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>4</td><td>Int.</td><td>76-73</td><td>245-1625-54</td><td>Std Only 1.6320" OD, 1.3290" ID, .2800" Depth</td></tr><tr><td>QTY</td><td>RINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Premium Set</td><td>76-73</td><td>E-360KC</td><td>Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM</td></tr><tr><td>1</td><td>Standard Set</td><td>76-73</td><td>E-360X</td><td>Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM</td></tr><tr><td>4</td><td>Premium Single Cylinder Set</td><td>76-73</td><td>WE-360KC</td><td>Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM</td></tr><tr><td>4</td><td>Standard Single Cylinder Set</td><td>76-73</td><td>WE-360X</td><td>Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM</td></tr><tr><td>QTY</td><td>ENGINE BEARINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Rod Set</td><td>76-73</td><td>4-67365RA</td><td>Std-.25-.50MM</td></tr></table>						QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	4	Int.	76-73	245-1625-54	Std Only 1.6320" OD, 1.3290" ID, .2800" Depth	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	1	Premium Set	76-73	E-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM	1	Standard Set	76-73	E-360X	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM	4	Premium Single Cylinder Set	76-73	WE-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM	4	Standard Single Cylinder Set	76-73	WE-360X	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	1	Rod Set	76-73	4-67365RA	Std-.25-.50MM
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION																																														
4	Int.	76-73	245-1625-54	Std Only 1.6320" OD, 1.3290" ID, .2800" Depth																																														
QTY	RINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Premium Set	76-73	E-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM																																														
1	Standard Set	76-73	E-360X	Std-.50-.75-1.00-1.50MM 2-2.00MM, 1-4.00MM																																														
4	Premium Single Cylinder Set	76-73	WE-360KC	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM																																														
4	Standard Single Cylinder Set	76-73	WE-360X	Std-.50-.75-1.00MM 2-2.00MM, 1-4.00MM																																														
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Rod Set	76-73	4-67365RA	Std-.25-.50MM																																														
5 1.6L 1595cc OHV H4 (8 Valve), 92mm Bore 1988-76 Eng. Code "EA71" 1976-88																																																		
<table><tr><td>QTY</td><td>RINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Premium Set</td><td>88-82</td><td>E-435KC</td><td>Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM</td></tr><tr><td>1</td><td>Premium Set</td><td>81-76</td><td>E-392KC</td><td>Std Only 2-2.00MM, 1-4.00MM</td></tr><tr><td>1</td><td>Standard Set</td><td>81-76</td><td>E-392X</td><td>Std Only 2-2.00MM, 1-4.00MM</td></tr><tr><td>4</td><td>Premium Single Cylinder Set</td><td>88-82</td><td>WE-435KC</td><td>Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM</td></tr><tr><td>QTY</td><td>ENGINE BEARINGS</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Rod Set</td><td>87-76</td><td>4-67365RA</td><td>Std-.25-.50MM</td></tr></table>						QTY	RINGS	YEARS	PART NO.	DESCRIPTION	1	Premium Set	88-82	E-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM	1	Premium Set	81-76	E-392KC	Std Only 2-2.00MM, 1-4.00MM	1	Standard Set	81-76	E-392X	Std Only 2-2.00MM, 1-4.00MM	4	Premium Single Cylinder Set	88-82	WE-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	1	Rod Set	87-76	4-67365RA	Std-.25-.50MM										
QTY	RINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Premium Set	88-82	E-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM																																														
1	Premium Set	81-76	E-392KC	Std Only 2-2.00MM, 1-4.00MM																																														
1	Standard Set	81-76	E-392X	Std Only 2-2.00MM, 1-4.00MM																																														
4	Premium Single Cylinder Set	88-82	WE-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM																																														
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																														
1	Rod Set	87-76	4-67365RA	Std-.25-.50MM																																														
6 1.8L 1781cc OHV H4 (8 Valve), 92mm Bore 1988-80 Eng. Code "EA81" 1980-89																																																		
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																																													
	1	Premium Set	88-82	E-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM																																													
	1	Premium Set	81-80	E-392KC	Std Only 2-2.00MM, 1-4.00MM																																													
	1	Standard Set	81-80	E-392X	Std Only 2-2.00MM, 1-4.00MM																																													
	4	Premium Single Cylinder Set	88-82	WE-435KC	Std Only 1-1.20MM, 1-1.50MM, 1-4.00MM																																													
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																																													
	1	Main Set	88-80	6796M	Std-.25MM																																													
1	Rod Set	88-80	4-67365RA	Std-.25-.50MM																																														
7 1.8L 1781cc SOHC H4 (8 Valve), 92mm Bore 1990-85 Eng. Code "EA82" 1985-94																																																		
<table><tr><td>QTY</td><td>TIMING</td><td>YEARS</td><td>PART NO.</td><td>DESCRIPTION</td></tr><tr><td>1</td><td>Timing Belt</td><td>90-85</td><td>222-115</td><td>L.H.</td></tr><tr><td>1</td><td>Timing Belt</td><td>90-85</td><td>222-116</td><td>R.H.</td></tr></table>						QTY	TIMING	YEARS	PART NO.	DESCRIPTION	1	Timing Belt	90-85	222-115	L.H.	1	Timing Belt	90-85	222-116	R.H.																														
QTY	TIMING	YEARS	PART NO.	DESCRIPTION																																														
1	Timing Belt	90-85	222-115	L.H.																																														
1	Timing Belt	90-85	222-116	R.H.																																														

(continued on next page)

Subaru Car

1.8L 1781cc SOHC H4 (8 Valve), 92mm Bore 1990-85 7					
Eng. Code "EA82" 1985-94 (cont.)					
QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt Tensioner	90-85	222-336BT	L.H.	
1	Timing Belt Tensioner	90-85	222-337BT	R.H.	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	90-85	HT-6035 Std Only	Hyd.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-85	E-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	90-85	WE-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-85	6796M Std-.25MM		
1	Rod Set	90-85	4-67365RA Std-.25-.50MM		
1.8L 1781cc SOHC Turbo H4 (8 Valve), 92mm Bore 1990-85 8					
Eng. Code "EA82T" 1985-90					
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Timing Belt	90-85	222-115	L.H.	
1	Timing Belt	90-85	222-116	R.H.	
1	Timing Belt Tensioner	90-85	222-336BT	L.H.	
1	Timing Belt Tensioner	90-85	222-337BT	R.H.	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
8	Lifter	90-85	HT-6035 Std Only	Hyd.	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	90-85	E-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	90-85	WE-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	90-85	6796M Std-.25MM		
1	Rod Set	90-85	4-67365RA Std-.25-.50MM		
1.8L 1781cc OHV Turbo H4 (8 Valve), 92mm Bore 1984-83 9					
Eng. Code "EA81T" 1983-84					
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	84-83	6796M Std-.25MM		
1	Rod Set	84-83	4-67365RA Std-.25-.50MM		
2.2L 2212cc SOHC H4 (16 Valve), 96.9mm Bore 1990 10					
Eng. Codes "EJ22E" 1990-2001, "EJ22EZ" 1997-2001, "EJ222" 1999-2001					
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90	222-B254	w/Fed. & Calif. Emis.
	1	Timing Belt	90	222-B172	Exc. Fed. & Calif. Emis.
	1	Timing Belt & Tensioner Set	90	BTS-172 *	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	90	HT-2254 Std Only	Hyd. lash adj.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust	90	V-4368 Std Only	Chrome plated stem; 1.1020" Head Dia., .2344" Stem Dia., 3.9830" O.A.L.
	8	Intake	90	V-4367 Std Only	1.2800" Head Dia., .2344" Stem Dia., 3.9760" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90	VG-1425T	Exh. & Int.; .2367" ID, 2.0650" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
16	Valve Stem Seal	90	ST-2148	Exh. & Int.; Positive type; Viton®	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
8	Exh.	90	245-1250-63 Std Only	1.2500" OD, .9300" ID, .3250" Depth	
8	Int.	90	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth	
B L O C K	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-882KC Std-1.00MM	1-1.20MM, 1-1.50MM, 1-3.00MM
	4	Premium Single Cylinder Set	90	WE-882KC.50MM .50MM	1-1.20MM, 1-1.50MM, 1-3.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90	7362M Std-.25-.50MM	.25MM & .50MM sets contain .15MM O/S length flange brg.
4	Rod Pair	90	4775A Std-.25-.50MM		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	90	260-1846	Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	

Subaru Car

11 2.2L 2212cc SOHC Turbo H4 (16 Valve), 96.9mm Bore 1990 Eng. Code "EJ22T" 1990-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B172	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
8	Exhaust	90	V-4368 Std Only	Chrome plated stem; 1.1020" Head Dia., .2344" Stem Dia., 3.9830" O.A.L.
8	Intake	90	V-4367 Std Only	1.2800" Head Dia., .2344" Stem Dia., 3.9760" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
16	Guide	90	VG-1425T	Exh. & Int.; .2367" ID, 2.0650" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
8	Exh.	90	245-1250-63 Std Only	1.2500" OD, .9300" ID, .3250" Depth
8	Int.	90	245-1375-55 Std Only	1.3820" OD, 1.1200" ID, .3250" Depth
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7362M Std-.25-.50MM	.25MM & .50MM sets contain .15MM O/S length flange brg.
4	Rod Pair	90	4775A Std-.25-.50MM	
12 2.7L 2672cc SOHC H6 (12 Valve), 92mm Bore 1990-88 Eng. Code "ER27" 1988-91				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-88	222-B151	L.H.
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
12	Lifter	89-88	HT-6035 Std Only	Hyd.

Subaru Truck

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.6L 1595cc OHV H4 92mm Bore (8 Valve) L/D Truck.....	1980-78	1	1.8L 1781cc OHV H4 92mm Bore (8 Valve) L/D Truck.....	1987-81	2
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
EA71.....	1.6L 1595cc OHV H4 92mm Bore (8 Valve) L/D Truck.....	1	EA81.....	1.8L 1781cc OHV H4 92mm Bore (8 Valve) L/D Truck.....	2

1 1.6L 1595cc OHV H4 (8 Valve), 92mm Bore 1980-78 L/D Truck Eng. Code "EA71" 1978-80				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	80-78	E-392KC Std Only	2-2.00MM, 1-4.00MM
1	Standard Set	80-78	E-392X Std Only	2-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	80-78	4-67365RA Std-.25-.50MM	
2 1.8L 1781cc OHV H4 (8 Valve), 92mm Bore 1987-81 L/D Truck Eng. Code "EA81" 1980-87				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	87-82	E-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM
1	Premium Set	81	E-392KC Std Only	2-2.00MM, 1-4.00MM
1	Standard Set	81	E-392X Std Only	2-2.00MM, 1-4.00MM
4	Premium Single Cylinder Set	87-82	WE-435KC Std Only	1-1.20MM, 1-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	87-81	6796M Std-.25MM	
1	Rod Set	87-81	4-67365RA Std-.25-.50MM	

Suzuki Car

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.0L 993cc SOHC L3 74mm Bore (6 Valve).....	1988-85	1	1.3L 1298cc DOHC L4 74mm Bore (16 Valve)	1990-89	3
1.0L 993cc SOHC Turbo L3 74mm Bore (6 Valve) ..	1988-85	2	1.3L 1324cc SOHC L4 74mm Bore (8 Valve).....	1990-89	4

Engine Code Index						
Engine Code			Engine Description		Line No.	
G10.....			1.0L 993cc SOHC L3 74mm Bore (6 Valve)		1	
G10-T.....			1.0L 993cc SOHC Turbo L3 74mm Bore (6 Valve)		2	
Engine Code			Engine Description		Line No.	
G13A.....			1.3L 1324cc SOHC L4 74mm Bore (8 Valve)		4	
G13B.....			1.3L 1298cc DOHC L4 74mm Bore (16 Valve)		3	

1.0L 993cc SOHC L3 (6 Valve), 74mm Bore 1988-85						1
Eng. Code "G10" 1985-88 & 1992-94						
BLOCK	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	6	Exhaust	88-85	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	88-85	VG-817	.2757" ID, 1.8950" O.A.L.	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	3	Cast Piston	88-85	12221P1.00MM 1.00MM	O.E. No. 12100-82820; Cast; 1-1.20mm, 1-1.50mm, 1-2.80mm Ring Groove, 28.5mm CD, 17.0mm Pin Dia., Flat Head w/2 valve reliefs	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	88-85	E-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM	
	3	Premium Single Cylinder Set	88-85	WE-549KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	88-85	6685M Std-.25-.50MM	Position 3	
	1	Thrust Washer Set	88-85	1063AF Std Only		
	1	Rod Set	88-85	3-1140RA Std-.25-.50-.75MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	88-85	260-1637	Premium valve stem seals incl.	
	1	Head Bolt Set	88-85	260-2523	Replacement recommended	
RE-RING KIT						
YEARS		DESCRIPTION				
88-85		Premium valve stem seals incl.		Re-ring	PREMIUM KIT NO.	ECONOMY KIT NO.
				Re-ring w/Mains	205-6347	----
					205-6347M	----

1.0L 993cc SOHC Turbo L3 (6 Valve), 74mm Bore 1988-85						2
Eng. Code "G10-T" 1985-88						
BLOCK	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	3	Exhaust	88-85	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	6	Guide	88-87	VG-817	.2757" ID, 1.8950" O.A.L.	
	6	Guide	88-85	VG-816	.2170" ID, 1.2600" O.A.L.	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	88-85	6685M Std-.25-.50MM	Position 3	
	1	Thrust Washer Set	88-85	1063AF Std Only		
	1	Rod Set	88-85	3-1140RA Std-.25-.50-.75MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Head Bolt Set	88-85	260-2523	Replacement recommended	

1.3L 1298cc DOHC L4 (16 Valve), 74mm Bore 1990-89						3
Eng. Code "G13B" 1989-94						
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-89	222-B171		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90-89	HT-2272 Std Only	Hyd. bucket type lifter	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	90-89	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-89	VG-817	Exh. & Int.; .2757" ID, 1.8950" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90-89	VS-970	Exh. & Int.; 1.9580" Free Height	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Int.	90-89	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-89	7095M Std-.25MM		

(continued on next page)

Suzuki Car

3 1.3L 1298cc DOHC L4 (16 Valve), 74mm Bore 1990-89 (cont.) Eng. Code "G13B" 1989-94				
QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
1	Thrust Washer Set	90-89	1063AF Std Only	Position 3
1	Rod Set	90-89	4-1140RA Std-.25-.50-.75-1.00MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-89	224-43456	Without sensor
4 1.3L 1324cc SOHC L4 (8 Valve), 74mm Bore 1990-89 Eng. Code "G13A" 1989-97				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-89	222-95	
1	Timing Belt Tensioner	90-89	222-182BT	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	90-89	V-2334X Std Only	Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-89	VG-817	.2757" ID, 1.8950" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	90-89	VS-970	1.9580" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	90-89	ST-2119	Exh. & Int.; O.E. design; Positive type; Viton®
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-89	VK-248	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-89	E-776KC Std-.50-.75-1.00MM	1-1.20MM, 1-1.50MM, 1-2.80MM
1	Premium Set	90-89	E-527KC Std Only	1-1.20MM, 1-2.80MM
4	Premium Single Cylinder Set	90-89	WE-527KC Std Only	1-1.20MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-89	7095M Std-.25MM	
1	Thrust Washer Set	90-89	1063AF Std Only	Position 3
1	Rod Set	90-89	4-1140RA Std-.25-.50-.75-1.00MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-89	224-43456	Without sensor

Suzuki SUV's - See Suzuki Truck Suzuki Truck (Includes SUV's)

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.0L 970cc SOHC L4 65.5mm Bore (8 Valve) L/D Truck	1984-82	1	1.6L 1590cc SOHC L4 75mm Bore (8 Valve) L/D Truck	1990-89	3
1.3L 1324cc SOHC L4 74mm Bore (8 Valve) L/D Truck	1990-86	2			
Engine Code Index					
Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
F10A	1.0L 970cc SOHC L4 65.5mm Bore (8 Valve) L/D Truck	1	G16KC	1.6L 1590cc SOHC L4 75mm Bore (8 Valve) L/D Truck	3
G13A	1.3L 1324cc SOHC L4 74mm Bore (8 Valve) L/D Truck	2			

1 1.0L 970cc SOHC L4 (8 Valve), 65.5mm Bore 1984-82 L/D Truck Eng. Code "F10A" 1980-85				
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	84-82	E-753KC Std-.50MM	2-1.50MM, 1-2.80MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-82	6660M Std-.25MM	
1	Thrust Washer Set	84-82	66756BF Std Only	Position 3
1	Rod Set	84-82	4-66755CP Std-.25-.50MM	

Suzuki Truck (Includes SUV's)

1.3L 1324cc SOHC L4 (8 Valve), 74mm Bore 1990-86					2																			
L/D Truck Eng. Code "G13A" 1985-95																								
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION																			
	1	Timing Belt	90-86	222-95																				
	1	Timing Belt Tensioner	90-86	222-182BT																				
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION																			
	4	Exhaust	90-86	V-2334X	Std Only Chrome plated stem; 1.1810" Head Dia., .2738" Stem Dia., 4.5100" O.A.L.																			
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION																			
8	Guide	90-86	VG-817	.2757" ID, 1.8950" O.A.L.																				
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION																				
8	Spring	90-86	VS-970	1.9580" Free Height																				
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION																				
8	Valve Stem Seal	89-86	ST-2119	Exh. & Int.; O.E. design; Positive type; Viton®																				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION																				
16	Keeper	90-86	VK-248																					
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																			
	1	Premium Set	90-86	E-776KC	Std-.50-.75-1.00MM 1-1.20MM, 1-1.50MM, 1-2.80MM																			
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																			
	1	Main Set	90-86	7095M	Std-.25MM																			
1	Thrust Washer Set	90-86	1063AF	Std Only Position 3																				
1	Rod Set	90-86	4-1140RA	Std-.25-.50-.75-1.00MM																				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION																				
1	Oil Pump	90-86	224-43456	Without sensor																				
1.6L 1590cc SOHC L4 (8 Valve), 75mm Bore 1990-89					3																			
L/D Truck Eng. Code "G16KC" 1989-95																								
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION																			
	1	Timing Belt	90-89	222-B164																				
	1	Timing Belt Tensioner	90-89	222-182BT																				
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION																			
	4	Exhaust	90-89	V-2631	Std Only Chrome plated stem; 1.2780" Head Dia., .2736" Stem Dia., 4.5060" O.A.L.																			
	4	Intake	90-89	V-2630	Std Only Chrome plated stem; 1.4410" Head Dia., .2740" Stem Dia., 4.5500" O.A.L.																			
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION																				
8	Guide	90-89	VG-817	.2757" ID, 1.8950" O.A.L.																				
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION																				
8	Spring	90-89	VS-970	Exh. & Int.; 1.9580" Free Height																				
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION																				
4	Exh.	90-89	245-1375-56	Std Only 1.3820" OD, 1.1020" ID, .2600" Depth																				
4	Int.	90-89	245-1500-79	Std Only 1.5000" OD, 1.2950" ID, .2620" Depth																				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION																				
16	Keeper	90-89	VK-248																					
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION																			
	1	Premium Set	90-89	E-515KC	Std-.50-.75-1.00MM 1-1.20MM, 1-1.50MM, 1-2.80MM																			
	4	Premium Single Cylinder Set	90-89	WE-515KC	Std-.50MM 1-1.20MM, 1-1.50MM, 1-2.80MM																			
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION																			
1	Main Set	90-89	7208M	Std-.25-.50MM																				
1	Thrust Washer Set	90-89	4191AF	Std Only Position 3																				
1	Rod Set	90-89	4-4190CP	Std-.25-.50MM																				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION																				
1	Kit Gasket Set	90-89	260-1812	Premium valve stem seals incl.																				
<table><tr><td colspan="2">RE-RING KIT</td><td></td><td>PREMIUM</td><td>ECONOMY</td></tr><tr><td>YEARS</td><td>DESCRIPTION</td><td></td><td>KIT NO.</td><td>KIT NO.</td></tr><tr><td>90-89</td><td>Premium valve stem seals incl.</td><td>Re-ring</td><td>205-6812</td><td>-----</td></tr><tr><td></td><td></td><td>Re-ring w/Mains</td><td>205-6812M</td><td>-----</td></tr></table>					RE-RING KIT			PREMIUM	ECONOMY	YEARS	DESCRIPTION		KIT NO.	KIT NO.	90-89	Premium valve stem seals incl.	Re-ring	205-6812	-----			Re-ring w/Mains	205-6812M	-----
RE-RING KIT			PREMIUM	ECONOMY																				
YEARS	DESCRIPTION		KIT NO.	KIT NO.																				
90-89	Premium valve stem seals incl.	Re-ring	205-6812	-----																				
		Re-ring w/Mains	205-6812M	-----																				

Toyota Car

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.1L 1077cc OHV L4 75mm Bore (8 Valve)	1969-68	1	2.0L 1995cc SOHC L4 84mm Bore (8 Valve).....	1986-83	17
1.2L 1166cc OHV L4 75mm Bore (8 Valve)	1979-69	2	2.0L 1998cc DOHC L4 86mm Bore (16 Valve)	1990-86	18
1.3L 1290cc OHV L4 75mm Bore (8 Valve)	1984-81	3	2.0L 1998cc DOHC Turbo L4 86mm Bore (16 Valve).....	1990-88	19
1.5L 1452cc SOHC L4 77.5mm Bore (8 Valve).....	1988-80	4	2.2L 2164cc DOHC L4 87mm Bore (16 Valve)	1990	20
1.5L 1456cc SOHC L4 73mm Bore (12 Valve).....	1990-87	5	2.2L 2189cc SOHC L4 88.5mm Bore (8 Valve).....	1980-75	21
1.6L 1587cc SOHC L4 81mm Bore (8 Valve).....	1987-83	6	2.3L 2253cc SOHC L6 75mm Bore (12 Valve).....	1972-67	22
1.6L 1587cc SOHC L4 81mm Bore (8 Valve).....	1988-84	7	2.4L 2366cc SOHC L4 92mm Bore (8 Valve).....	1985-81	23
1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	1990-85	8	2.5L 2507cc DOHC V6 87.5mm Bore (24 Valve).....	1990-88	24
1.6L 1588cc OHV L4 85mm Bore (8 Valve)	1979-71	9	2.6L 2563cc SOHC L6 80mm Bore (12 Valve).....	1980-71	25
1.8L 1770cc OHV L4 85mm Bore (8 Valve)	1982-80	10	2.8L 2759cc SOHC L6 83mm Bore (12 Valve).....	1982-81	26
1.8L 1839cc SOHC Diesel L4 83mm Bore (8 Valve).....	1985-84	11	2.8L 2759cc DOHC L6 83mm Bore (12 Valve).....	1988-82	27
1.8L 1839cc SOHC Turbo-Diesel L4 83mm Bore (8 Valve).....	1985-84	12	3.0L 2954cc DOHC L6 83mm Bore (24 Valve)	1990-86	28
1.9L 1858cc SOHC L4 86mm Bore (8 Valve).....	1972-69	13	3.0L 2954cc DOHC Turbo L6 83mm Bore (24 Valve).....	1990-87	29
1.9L 1897cc OHV L4 88mm Bore (8 Valve)	1970-61	14	4.0L 3968cc DOHC V8 87.5mm Bore (32 Valve).....	1990	30
2.0L 1968cc SOHC L4 88.5mm Bore (8 Valve).....	1974-72	15			
2.0L 1974cc SOHC Turbo-Diesel L4 86mm Bore (8 Valve).....	1986	16			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
KC.....	1.1L 1077cc OHV L4 75mm Bore (8 Valve)	1	3SGTE.....	2.0L 1998cc DOHC Turbo L4 86mm Bore (16 Valve)	19
1AC.....	1.5L 1452cc SOHC L4 77.5mm Bore (8 Valve)	4	3TC.....	1.8L 1770cc OHV L4 85mm Bore (8 Valve)	10
1CLC	1.8L 1839cc SOHC Diesel L4 83mm Bore (8 Valve).....	11	4AC.....	1.6L 1587cc SOHC L4 81mm Bore (8 Valve)	6
1CTLC	1.8L 1839cc SOHC Turbo-Diesel L4 83mm Bore (8 Valve).....	12	4AF	1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	8
1UZFE	4.0L 3968cc DOHC V8 87.5mm Bore (32 Valve)	30	4AFE.....	1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	8
18RC	2.0L 1968cc SOHC L4 88.5mm Bore (8 Valve)	15	4AGE.....	1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	8
2CTLC	2.0L 1974cc SOHC Turbo-Diesel L4 86mm Bore (8 Valve).....	16	4AGEC	1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	8
2M.....	2.3L 2253cc SOHC L6 75mm Bore (12 Valve)	22	4AGELC	1.6L 1587cc DOHC L4 81mm Bore (16 Valve)	8
2SELC	2.0L 1995cc SOHC L4 84mm Bore (8 Valve)	17	4ALC.....	1.6L 1587cc SOHC L4 81mm Bore (8 Valve)	7
2T	1.6L 1588cc OHV L4 85mm Bore (8 Valve)	9	4KC.....	1.3L 1290cc OHV L4 75mm Bore (8 Valve)	3
2TC.....	1.6L 1588cc OHV L4 85mm Bore (8 Valve)	9	4KE.....	1.3L 1290cc OHV L4 75mm Bore (8 Valve)	3
2VZFE	2.5L 2507cc DOHC V6 87.5mm Bore (24 Valve)	24	4M.....	2.6L 2563cc SOHC L6 80mm Bore (12 Valve)	25
20R.....	2.2L 2189cc SOHC L4 88.5mm Bore (8 Valve)	21	4ME.....	2.6L 2563cc SOHC L6 80mm Bore (12 Valve)	25
22R.....	2.4L 2366cc SOHC L4 92mm Bore (8 Valve)	23	5ME.....	2.8L 2759cc SOHC L6 83mm Bore (12 Valve)	26
22REC.....	2.4L 2366cc SOHC L4 92mm Bore (8 Valve)	23	5MGE	2.8L 2759cc DOHC L6 83mm Bore (12 Valve)	27
3AC.....	1.5L 1452cc SOHC L4 77.5mm Bore (8 Valve)	4	5SFE.....	2.2L 2164cc DOHC L4 87mm Bore (16 Valve)	20
3E.....	1.5L 1456cc SOHC L4 73mm Bore (12 Valve)	5	5SNFE	2.2L 2164cc DOHC L4 87mm Bore (16 Valve)	20
3EE.....	1.5L 1456cc SOHC L4 73mm Bore (12 Valve)	5	7MGE	3.0L 2954cc DOHC L6 83mm Bore (24 Valve)	28
3KC.....	1.2L 1166cc OHV L4 75mm Bore (8 Valve)	2	7MGTE	3.0L 2954cc DOHC Turbo L6 83mm Bore (24 Valve)	29
3RC	1.9L 1897cc OHV L4 88mm Bore (8 Valve)	14	8R.....	1.9L 1858cc SOHC L4 86mm Bore (8 Valve)	13
3SFE.....	2.0L 1998cc DOHC L4 86mm Bore (16 Valve)	18	8RC	1.9L 1858cc SOHC L4 86mm Bore (8 Valve)	13
3SGELC	2.0L 1998cc DOHC L4 86mm Bore (16 Valve)	18			

1 1.1L 1077cc OHV L4 (8 Valve), 75mm Bore 1969-68 Eng. Code "KC" 1968-69

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	69-68	VK-210	2 groove
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	69-68	WE-362KC Std Only	2-2.00MM, 1-4.00MM; w/Deep oil groove

(continued on next page)

Toyota Car

1.1L 1077cc OHV L4 (8 Valve), 75mm Bore 1969-68 1				
Eng. Code "KC" 1968-69 (cont.)				
QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
4	Standard Single Cylinder Set	69-68	WE-362X Std Only	2-2.00MM, 1-4.00MM; w/Deep oil groove
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-68	6768M Std Only	
1	Thrust Washer Set	69-68	67271BF Std Only	Position 3
1	Rod Set	69-68	4-67270CP Std-.25MM	
1.2L 1166cc OHV L4 (8 Valve), 75mm Bore 1979-69 2				
Eng. Code "3KC" 1969-79				
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	79-69	ST-2037	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	79-69	VK-210	2 groove
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	79-69	WE-362KC Std Only	2-2.00MM, 1-4.00MM; w/Deep oil groove
4	Standard Single Cylinder Set	79-69	WE-362X Std Only	2-2.00MM, 1-4.00MM; w/Deep oil groove
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-69	6768M Std Only	
1	Thrust Washer Set	79-69	67271BF Std Only	Position 3
1	Rod Set	79-69	4-67270CP Std-.25MM	
1.3L 1290cc OHV L4 (8 Valve), 75mm Bore 1984-81 3				
Eng. Codes "4KC" 1981-82, "4KE" 1983-84				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Complete Set	82-81	KT-1018S	Eng. Code "4KC"; From 9/81; Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
1	Timing Chain Tensioner	84-83	222-70CT	To 12/83; Single row
1	Timing Chain Tensioner	82	222-70CT	Single row
1	Timing Chain Tensioner	81	222-70CT	From 8/81; Single row
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	84-82	ST-2073	Positive type; Rubber
8	Valve Stem Seal	81	ST-2073	From 3/81; Positive type; Rubber
8	Valve Stem Seal	81	ST-2037	To 2/81; Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	84-81	VK-210	2 groove
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	82-81	WE-362KC Std Only	Eng. Code "4KC"; 2-2.00MM, 1-4.00MM; w/Deep oil groove
4	Standard Single Cylinder Set	82-81	WE-362X Std Only	Eng. Code "4KC"; 2-2.00MM, 1-4.00MM; w/Deep oil groove
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	83-81	6768M Std Only	
1	Thrust Washer Set	84-81	67271BF Std Only	Position 3
1	Rod Set	83-81	4-67270CP Std-.25MM	
1.5L 1452cc SOHC L4 (8 Valve), 77.5mm Bore 1988-80 4				
Eng. Codes "1AC" 1980, "3AC" 1981-88				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	88-80	222-70	
1	Timing Belt Tensioner	88-80	222-66BT	
1	Timing Belt & Tensioner Set	88-87	BTS-233	
1	Timing Belt & Tensioner Set	86-80	BTS-70	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	88-80	V-2255 Std Only	Nitrided stem; 1.2200" Head Dia., .2745" Stem Dia., 4.2120" O.A.L.
4	Intake	88-80	V-2256 Std Only	Chrome plated stem; 1.4173" Head Dia., .2746" Stem Dia., 4.2120" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	88-80	VG-731	Exh.; .2764" ID, 1.9400" O.A.L.
4	Guide	88-80	VG-732	Int.; .2764" ID, 1.6900" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	88-80	VS-813	1.7620" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	88-80	ST-2073	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	88-80	VK-240	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	88-80	E-489KC Std-.50-.75MM	2-1.50MM, 1-2.80MM

(continued on next page)

Toyota Car

4 1.5L 1452cc SOHC L4 (8 Valve), 77.5mm Bore 1988-80 (cont.) Eng. Codes "1AC" 1980, "3AC" 1981-88						
BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	1	Standard Set	88-80	E-489X Std.-.50-.75-1.00MM	2-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	88-80	WE-489KC Std Only	2-1.50MM, 1-2.80MM	
	4	Standard Single Cylinder Set	88-80	WE-489X Std Only	2-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	88-85	6680MA Std.-.25-.50-.75MM	A-Series aluminum bearings	
	1	Main Set	84-83	6680MA Std.-.25-.50-.75MM	From 10/83; A-Series aluminum bearings	
	1	Main Set	83	6799M Std.-.25MM	To 9/83	
	1	Main Set	82-80	6799M Std.-.25MM		
	1	Thrust Washer Set	88-80	3926AF Std Only	Position 3	
	1	Rod Set	88-84	4-1025PA Std.-.25-.50-.75MM		
	1	Rod Set	83	4-1025PA Std.-.25-.50-.75MM	From 10/83	
	1	Rod Set	83	4-3925P Std.-.25-.50MM	To 9/83	
	1	Rod Set	82-80	4-3925P Std.-.25-.50MM		
KITS	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	KITS
	1	Kit Gasket Set	88-83	260-1286	Eng. Code "3AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	88-80	381-8070		
	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	88-84	Eng. Code "3AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6058	205-1058
	83	Eng. Code "3AC"; To 9/83; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6057	205-1057
	83	Eng. Code "3AC"; From 10/83; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6058	205-1058
5 1.5L 1456cc SOHC L4 (12 Valve), 73mm Bore 1990-87 Eng. Codes "3E" 1987-90, "3EE" 1990-94						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	90-87	222-B233		
	1	Timing Belt & Tensioner Set	90-87	BTS-233		
	1	Belt Idler	90-87	222-206BT	L.H.	
	1	Belt Idler	90-87	222-207BT	R.H.	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-87	CS-1463		
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	90-87	R-964		
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	4	Exhaust	90-87	V-2500 Std Only	1 groove; Nitrided stem; 1.2250" Head Dia., .2350" Stem Dia., 3.6350" O.A.L.	
	4	Exhaust, Bulk	90-87	V-2500B Std Only	1 groove; Nitrided stem; Carton of 25; 1.2250" Head Dia., .2350" Stem Dia., 3.6350" O.A.L.	
	4	Intake	90-87	V-2501 Std Only	Front Outer; Chrome plated stem; 1.1810" Head Dia., .2350" Stem Dia., 3.6350" O.A.L.	
	4	Intake	90-87	V-2505 Std Only	Rear Inner; Chrome plated stem; .9450" Head Dia., .2350" Stem Dia., 3.6220" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	90-87	VG-792	.2369" ID, 1.5900" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	90-87	VS-870	1.6510" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	90	ST-2112	Int.; From 9/90; Positive type	
VALVE TRAIN	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	4	Int. Rear Inner	90-87	245-1187-51 Std Only	1.1945" OD, .9050" ID, .2570" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	90-87	VK-242		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90-88	12895P Std.-.50-.75-1.00MM	Eng. Codes "3E" & "3EE"; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.171" CD, .7089" Pin Dia., Recessed Head 3.18mm deep w/2 valve reliefs	
	4	Cast Piston	87	12895P Std.-.50-.75-1.00MM	Eng. Codes "3E" & "3EE"; From 8/86; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.171" CD, .7089" Pin Dia., Recessed Head 3.18mm deep w/2 valve reliefs	

(continued on next page)

Toyota Car

1.5L 1456cc SOHC L4 (12 Valve), 73mm Bore 1990-87 5
Eng. Codes "3E" 1987-90, "3EE" 1990-94 (cont.)

B L O C K	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION		
	4	Cast Piston - Individual	90-88	W12895P Std-.50-.75-1.00MM	Eng. Codes "3E" & "3EE"; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.171" CD, .7089" Pin Dia., Recessed Head 3.18mm deep w/2 valve reliefs		
	4	Cast Piston - Individual	87	W12895P Std-.50-.75-1.00MM	Eng. Codes "3E" & "3EE"; From 8/86; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.171" CD, .7089" Pin Dia., Recessed Head 3.18mm deep w/2 valve reliefs		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Premium Set	90-87	E-511KC Std-.25-.50-.75-1.00MM	2-1.50MM, 1-3.00MM		
	1	Standard Set	90-87	E-511X Std-.50-.75MM	2-1.50MM, 1-3.00MM		
	4	Premium Single Cylinder Set	90-87	WE-511KC Std-.50-1.00MM	2-1.50MM, 1-3.00MM		
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	90-87	7116MA Std-.25-.50MM	A-Series aluminum bearings		
	1	Thrust Washer Set	90-87	1099AF Std Only	Position 3		
	1	Rod Set	90-87	4-1610CP Std-.25-.50MM			
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
	1	Oil Pump	90-87	224-41936			
	1	Screen Assy.	90-87	224-14287	Eng. Codes "3E" & "3EE"		
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
	1	Kit Gasket Set	90-87	260-1499	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
	1	Brass Block Plug Kit	90-87	381-8096			
K I T S	RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION					
	90-87	Incl. A-Series aluminum bearings PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains			-----	205-1177M
	90-87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains			205-6177M	-----
	90-87	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring			205-6177	205-1177
	OVERHAUL KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION					
	90-88	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs			BKP-6313	-----
	90-88	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block			BK-6313	-----
	90-87	Eng. Codes "3E" & "3EE"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master			MKP-6177C	-----
	90-87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons			MK-6177C	-----
	87	From 8/86; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs			BKP-6313	-----
	87	From 8/86; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings	Block			BK-6313	-----

1.6L 1587cc SOHC L4 (8 Valve), 81mm Bore 1987-83 6
Eng. Code "4AC" 1983-87

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	87-83	222-70	
1	Timing Belt Tensioner	87-83	222-66BT	
1	Timing Belt & Tensioner Set	87-83	BTS-70	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
4	Exhaust	87-83	V-2255 Std Only	Nitrided stem; 1.2200" Head Dia., .2745" Stem Dia., 4.2120" O.A.L.
4	Intake	87-83	V-2256 Std Only	Chrome plated stem; 1.4173" Head Dia., .2746" Stem Dia., 4.2120" O.A.L.

(continued on next page)

Toyota Car

6 1.6L 1587cc SOHC L4 (8 Valve), 81mm Bore 1987-83 (cont.) Eng. Code "4AC" 1983-87						
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	87-83	VG-731	Exh.; .2764" ID, 1.9400" O.A.L.	
	4	Guide	87-83	VG-732	Int.; .2764" ID, 1.6900" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	87-83	VS-813	1.7620" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	87-83	ST-2070	Positive type; Rubber	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	87-83	E-456KC Std.-.50-.75-1.00MM	2-1.50MM, 1-2.80MM	
	1	Standard Set	87-83	E-456X Std.-.75-1.00MM	2-1.50MM, 1-2.80MM	
B L O C K	4	Premium Single Cylinder Set	87-83	WE-456KC Std.-.50-.75-1.00MM	2-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6680MA Std.-.25-.50-.75MM	A-Series aluminum bearings	
	1	Main Set	83	6680MA Std.-.25-.50-.75MM	From 2/83; A-Series aluminum bearings	
	1	Thrust Washer Set	87-83	3926AF Std Only	Position 3	
	1	Rod Set	87-84	4-1025PA Std.-.25-.50-.75MM	From 8/83	
	1	Rod Set	83	4-1025PA Std.-.25-.50-.75MM	To 7/83	
	1	Rod Set	83	4-3925P Std.-.25-.50MM		
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	87-86	260-1500	Eng. Code "4AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
K I T S	1	Kit Gasket Set	85-83	260-1501	Eng. Code "4AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	87-83	381-8070		
	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	87-86	Eng. Code "4AC"; Incl. A-Series aluminum bearings; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring w/Mains		205-6180M	----
	87-86	Eng. Code "4AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6180	----
	85-84	Eng. Code "4AC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6179	----
	83	Eng. Code "4AC"; To 7/83; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6178	----
	83	Eng. Code "4AC"; From 8/83; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6179	----
7 1.6L 1587cc SOHC L4 (8 Valve), 81mm Bore 1988-84 Eng. Code "4ALC" 1984-88						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	88-84	222-70		
	1	Timing Belt Tensioner	88-84	222-66BT		
	1	Timing Belt & Tensioner Set	88-84	BTS-70		
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Exhaust	88-84	V-2255 Std Only	Nitrided stem; 1.2200" Head Dia., .2745" Stem Dia., 4.2120" O.A.L.	
	4	Intake	88-84	V-2256 Std Only	Chrome plated stem; 1.4173" Head Dia., .2746" Stem Dia., 4.2120" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	4	Guide	86	VG-731	Exh.; To 1/86; .2764" ID, 1.9400" O.A.L.	
	4	Guide	86	VG-732	Int.; To 1/86; .2764" ID, 1.6900" O.A.L.	
V A L V E T R A I N	4	Guide	85-84	VG-731	Exh.; .2764" ID, 1.9400" O.A.L.	
	4	Guide	85-84	VG-732	Int.; .2764" ID, 1.6900" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	88-84	VS-813	1.7620" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	88-84	ST-2073	Positive type; Rubber	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	16	Keeper	88-84	VK-240		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	88-85	E-456KC Std.-.50-.75-1.00MM	2-1.50MM, 1-2.80MM	
	1	Premium Set	84	E-456KC Std.-.50-.75-1.00MM	From 8/83; 2-1.50MM, 1-2.80MM	

(continued on next page)

Toyota Car

1.6L 1587cc SOHC L4 (8 Valve), 81mm Bore 1988-84 7
Eng. Code "4ALC" 1984-88 (cont.)

B L O C K	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Standard Set	88-85	E-456X Std-.75-1.00MM	2-1.50MM, 1-2.80MM	
	1	Standard Set	84	E-456X Std-.75-1.00MM	From 8/83; 2-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	88-85	WE-456KC Std-.50-.75-1.00MM	2-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	84	WE-456KC Std-.50-.75-1.00MM	From 8/83; 2-1.50MM, 1-2.80MM	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Main Set	88-85	6680MA Std-.25-.50-.75MM	A-Series aluminum bearings	
	1	Main Set	84	6680MA Std-.25-.50-.75MM	From 10/83; A-Series aluminum bearings	
	1	Main Set	84	6799M Std-.25MM	To 9/83	
	1	Thrust Washer Set	88-84	3926AF Std Only		
	1	Rod Set	88-85	4-1025PA Std-.25-.50-.75MM	Eng. Codes "4AC" & "4ALC"	
	1	Rod Set	84	4-1025PA Std-.25-.50-.75MM	From 10/83	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Kit Gasket Set	88-86	260-1456	Eng. Code "4ALC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Brass Block Plug Kit	88-84	381-8070		
K I T S	RE-RING KIT					K I T S
	YEARS	DESCRIPTION				
	88-86	Eng. Code "4ALC"; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring w/Mains	PREMIUM KIT NO. 205-6127M	
K I T S	88-86	Eng. Code "4ALC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6127	K I T S

1.6L 1587cc DOHC L4 (16 Valve), 81mm Bore 1990-85 8
Eng. Codes "4AF" 1988-89, "4AFE" 1988-97, "4AGE" 1988-91, "4AGEC" 1985-87, "4AGELC" 1985-89

V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E T R A I N
	1	Timing Belt	90-88	222-B176	Eng. Code "4AGE"	
	1	Timing Belt	90-88	222-36	Eng. Codes "4AF" & "4AFE"	
	1	Timing Belt	90-88	222-112	Eng. Codes "4AGEC" & "4AGELC"	
	1	Timing Belt	87-85	222-112	Eng. Codes "4AGEC" & "4AGELC"	
	1	Timing Belt Tensioner	90-88	222-66BT	Eng. Codes "4AF" & "4AFE"	
	1	Timing Belt & Tensioner Set	90-88	BTS-36	Eng. Codes "4AF" & "4AFE"	
	1	Timing Belt & Tensioner Set	87-85	BTS-70	Eng. Codes "4AF" & "4AFE"	
	1	Crank Sprocket	90-85	223-2021	Eng. Codes "4AGE" & "4AGELC"; 18 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90-85	AT-6003 Std Only	Mech.	
	1	Prelube	90-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	8	Exhaust	90-88	V-2575 Std Only	Eng. Codes "4AF" & "4AFE"; .9640" Head Dia., .2350" Stem Dia., 3.6190" O.A.L.	
	8	Intake	90-88	V-2574 Std Only	Eng. Codes "4AF" & "4AFE"; 1.1820" Head Dia., .2355" Stem Dia., 3.6000" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	90-88	VG-913	Eng. Codes "4AF" & "4AFE"; .2370" ID, 1.5200" O.A.L.	
	16	Guide	90-88	VG-791	Eng. Codes "4AGE" & "4AGEC"; .2350" ID, 1.6000" O.A.L.	
	16	Guide	87-85	VG-791	.2350" ID, 1.6000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	16	Spring	90	VS-932	Eng. Code "4AFE"; 1.7320" Free Height	
	16	Spring	89-88	VS-932	Eng. Codes "4AF" & "4AFE"; 1.7320" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	16	Valve Stem Seal	90	ST-2079	Exh. & Int.; To 10/90; Positive type; Rubber	
	16	Valve Stem Seal	89-88	ST-2079	Exh. & Int.; Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90-88	245-1062-50 Std Only	Eng. Codes "4AF" & "4AFE"; 1.0695" OD, .7900" ID, .2540" Depth	
	8	Exh.	90-88	245-1125-51 Std Only	Eng. Codes "4AGE" & "4AGEC"; 1.1320" OD, .8540" ID, .2370" Depth	
	8	Int.	90-85	245-1250-54 Std Only	1.056" ID top taper; 1.2570" OD, 1.0100" ID, .2570" Depth	
	8	Exh.	87-85	245-1125-51 Std Only	1.1320" OD, .8540" ID, .2370" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	90-85	VK-242		

(continued on next page)

Toyota Car

8 1.6L 1587cc DOHC L4 (16 Valve), 81mm Bore 1990-85
 (cont.) Eng. Codes "4AF" 1988-89, "4AFE" 1988-97, "4AGE" 1988-91, "4AGEC" 1985-87, "4AGELC" 1985-89

BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Cast Piston	90-88	12764P Std-.50-.75-1.00MM	Eng. Codes "4AF" & "4AFE"; Use w/E-540KC or E-540X ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep	
	4	Cast Piston	88-87	12902P Std-.50-1.00MM	Eng. Codes "4AGEC" & "4AGELC"; To 8/87; Use w/E-456KC or E-456X ring set; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 30.5mm CD, 18.0mm Pin Dia., Domed Head 0.20mm high w/4 valve reliefs	
	4	Cast Piston	86-85	12902P Std-.50-1.00MM	Eng. Codes "4AGEC" & "4AGELC"; Use w/E-456KC or E-456X ring set; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 30.5mm CD, 18.0mm Pin Dia., Domed Head 0.20mm high w/4 valve reliefs	
	4	Cast Piston - Individual	90-88	W12764P Std Only	Eng. Codes "4AF" & "4AFE"; Use w/WE-540KC ring set; Cast; 2-1.50mm, 1-3.00mm Ring Groove, 1.190" CD, .7089" Pin Dia., Recessed Head .108" deep	
	4	Cast Piston - Individual	88-87	W12902P Std-.50MM	Eng. Codes "4AGEC" & "4AGELC"; To 8/87; Use w/WE-456KC or WE-456X ring set; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 30.5mm CD, 18.0mm Pin Dia., Domed Head 0.20mm high w/4 valve reliefs	
	4	Cast Piston - Individual	86-85	W12902P Std-.50MM	Eng. Codes "4AGEC" & "4AGELC"; Use w/WE-456KC or WE-456X ring set; Cast; 2-1.50mm, 1-2.80mm Ring Groove, 30.5mm CD, 18.0mm Pin Dia., Domed Head 0.20mm high w/4 valve reliefs	
	4	Pin Bushing	90-88	4604Y	Eng. Codes "4AGE" & "4AGELC"	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-540KC Std-.50-.75-1.00MM	Eng. Code "4AFE"; 2-1.50MM, 1-3.00MM	
BLOCK	1	Premium Set	90	E-517KC Std-.50MM	Eng. Code "4AGE"; 1-1.20MM, 1-1.50MM, 1-2.80MM	
	1	Premium Set	89-88	E-540KC Std-.50-.75-1.00MM	Eng. Codes "4AF" & "4AFE"; 2-1.50MM, 1-3.00MM	
	1	Premium Set	89-88	E-456KC Std-.50-.75-1.00MM	Eng. Codes "4AGE", "4AGEC" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	1	Premium Set	87-85	E-456KC Std-.50-.75-1.00MM	Eng. Codes "4AGEC" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	1	Standard Set	90	E-540X Std Only	Eng. Code "4AFE"; 2-1.50MM, 1-3.00MM	
	1	Standard Set	89-88	E-540X Std Only	Eng. Codes "4AF" & "4AFE"; 2-1.50MM, 1-3.00MM	
	1	Standard Set	89-88	E-456X Std-.75-1.00MM	Eng. Codes "4AGE" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	1	Standard Set	87-85	E-456X Std-.75-1.00MM	Eng. Codes "4AGEC" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	90	WE-540KC Std-.50MM	Eng. Code "4AFE"; 2-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	90	WE-517KC Std Only	Eng. Code "4AGE"; 1-1.20MM, 1-1.50MM, 1-2.80MM	
BLOCK	4	Premium Single Cylinder Set	89-88	WE-540KC Std-.50MM	Eng. Codes "4AF" & "4AFE"; 2-1.50MM, 1-3.00MM	
	4	Premium Single Cylinder Set	89-88	WE-456KC Std-.50-.75-1.00MM	Eng. Codes "4AGE" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	4	Premium Single Cylinder Set	87-85	WE-456KC Std-.50-.75-1.00MM	Eng. Codes "4AGEC" & "4AGELC"; 2-1.50MM, 1-2.80MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-85	6680MA Std-.25-.50-.75MM	A-Series aluminum bearings	
	1	Thrust Washer Set	90-85	3926AF Std Only	Position 3	
	1	Rod Set	90-85	4-1025PA Std-.25-.50-.75MM	Eng. Codes "4AGEC", "4AGELC" & "4AGZE"	
	1	Rod Set	87-85	4-1025PA Std-.25-.50-.75MM	Eng. Codes "4AF" & "4AFE"	
	4	Rod Pair	90-88	4600P Std-.25MM	Eng. Codes "4AGE" & "4AGZE"	
	4	Rod Pair	90-88	4600P Std-.25MM	Eng. Codes "4AGEC" & "4AGELC"	
BLOCK	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Screen Assy.	90-85	224-14289	Eng. Codes "4AFE", "4AGEC" & "4AGELC"	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90	260-1457	Eng. Code "4AFE"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	90	260-1779	Eng. Code "4AGE"; To 2/28/90; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89-88	260-1457	Eng. Codes "4AF" & "4AFE"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	89-88	260-1779	Eng. Codes "4AGE" & "4AGELC"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	1	Kit Gasket Set	87-85	260-1779	Eng. Codes "4AGEC" & "4AGELC"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	89-85	381-8070		
RE-RING KIT					PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	89-88	Eng. Codes "4AGEC" & "4AGELC"; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6779E	205-1779E

(continued on next page)

Toyota Car

1.6L 1587cc DOHC L4 (16 Valve), 81mm Bore 1990-85 8					
Eng. Codes "4AF" 1988-89, "4AFE" 1988-97, "4AGE" 1988-91, "4AGEC" 1985-87, "4AGELC" 1985-89 (cont.)					
K I T S	RE-RING KIT (cont.)			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	89-88	Eng. Codes "4AGEC" & "4AGELC"; Head bolts not incl.; Re-ring w/Mains PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings		205-6779EM	205-1779EM
	87-85	Eng. Codes "4AGEC" & "4AGELC"; Head bolts not incl.; Re-ring PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		205-6779E	205-1779E
	87-85	Eng. Codes "4AGEC" & "4AGELC"; Head bolts not incl.; Re-ring w/Mains PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. A-Series aluminum bearings		205-6779EM	205-1779EM
1.6L 1588cc OHV L4 (8 Valve), 85mm Bore 1979-71 9					
Eng. Codes "2T" 1971, "2TC" 1971-79					
K I T S	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	79-71	KT-1022S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	79-74	AT-6006 Std Only	Mech.
K I T S	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	79-71	ST-2037	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	79-71	VK-210	2 groove
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	76	12152P1.50MM 1.50MM	To 8/76; Use w/E-360KC or E-360X ring set; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 39.0mm plus 14.0mm dome" CD, 22.0mm Pin Dia., Domed Head 14.00mm high - 8.5:1 C.R.
	4	Cast Piston	75	12152P1.50MM 1.50MM	Use w/E-360KC or E-360X ring set; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 39.0mm plus 14.0mm dome" CD, 22.0mm Pin Dia., Domed Head 14.00mm high - 8.5:1 C.R.
	4	Cast Piston	74	12152P1.50MM 1.50MM	From 8/74; Use w/E-360KC or E-360X ring set; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 39.0mm plus 14.0mm dome" CD, 22.0mm Pin Dia., Domed Head 14.00mm high - 8.5:1 C.R.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	79-78	E-436KC Std-.50MM	2-1.50MM, 1-4.00MM
	1	Premium Set	77-71	E-360KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	1	Standard Set	79-78	E-436X Std-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	77-71	E-360X Std-.50-.75-1.00-1.50MM	2-2.00MM, 1-4.00MM
	4	Premium Single Cylinder Set	79-78	WE-436KC Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	77-71	WE-360KC Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	4	Standard Single Cylinder Set	79-78	WE-436X Std Only	2-1.50MM, 1-4.00MM
	4	Standard Single Cylinder Set	77-71	WE-360X Std-.50-.75-1.00MM	2-2.00MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	79-71	6786M Std-.25-.50-.75MM	w/o thrust washer
	1	Thrust Washer Set	79-71	67277BF Std Only	Position 3
	1	Rod Set	79-71	4-67275CP Std-.25-.50-.75MM	
	1	Cam Set	79-71	1794M Std Only	Full round design
	1	Cam Set	79-71	1708M Std Only	O.E. split type design
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	79-75	224-41904	Incl. screen
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	79-77	260-1062	Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	79-71	381-8034	
K I T S	RE-RING KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	79-78	Premium valve stem seals incl. Re-ring		205-852	205-352
	77	Premium valve stem seals incl. Re-ring		205-805	205-305

Toyota Car

10 1.8L 1770cc OHV L4 (8 Valve), 85mm Bore 1982-80 Eng. Code "3TC" 1980-82

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Complete Set	82-80	KT-1022S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
8	Lifter	82-80	AT-6006 Std Only	Mech.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	82-80	ST-2039	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	82-80	VK-210	2 groove
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	82-80	E-436KC Std-.50MM	2-1.50MM, 1-4.00MM
1	Standard Set	82-80	E-436X Std-.75-1.00MM	2-1.50MM, 1-4.00MM
4	Premium Single Cylinder Set	82-80	WE-436KC Std Only	2-1.50MM, 1-4.00MM
4	Standard Single Cylinder Set	82-80	WE-436X Std Only	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	82-80	6786M Std-.25-.50-.75MM	w/o thrust washer
1	Thrust Washer Set	82-80	67277BF Std Only	Position 3
1	Rod Set	82-80	4-67275CP Std-.25-.50-.75MM	
1	Cam Set	82-80	1794M Std Only	Full round design
1	Cam Set	82-80	1708M Std Only	O.E. split type design
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	82-80	224-41904	Incl. screen
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	80	260-1062	Premium valve stem seals incl.
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	82-80	381-8034	
RE-RING KIT				
YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
80	Premium valve stem seals incl.	Re-ring	205-852	205-352

11 1.8L 1839cc SOHC Diesel L4 (8 Valve), 83mm Bore 1985-84 Eng. Code "1CLC" 1984-85

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	85	222-B98	To 8/85
1	Timing Belt	84	222-B98	
1	Timing Belt Tensioner	85	222-316BT	Lower; To 8/85
1	Timing Belt Tensioner	85	222-317BT	Upper; To 8/85; Spring loaded
1	Timing Belt Tensioner	84	222-316BT	Lower
1	Timing Belt Tensioner	84	222-317BT	Upper; Spring loaded
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	85-84	ST-2037	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	85-84	VK-241	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Cast Piston	84	12552P Std Only	From 8/83 to 8/84; Cast; 2-2.00mm, 1-4.00mm Ring Groove, 47.0mm CD, 27.0mm Pin Dia., Recessed Head 1.20mm deep
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	85-84	6798MA Std-.25MM	A-Series aluminum bearings
1	Thrust Washer Set	85-84	3916AF Std Only	Position 3
1	Rod Set	85-84	4-3915CP Std Only	

12 1.8L 1839cc SOHC Turbo-Diesel L4 (8 Valve), 83mm Bore 1985-84 Eng. Code "1CTLC" 1984-86

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	85	222-B98	To 8/85
1	Timing Belt	84	222-B98	
1	Timing Belt Tensioner	85-84	222-317BT	Spring loaded
1	Timing Belt Tensioner	85-84	222-316BT	Stationary
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	85-84	VK-241	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	85-84	7111MA Std-.25MM	A-Series aluminum bearings
1	Thrust Washer Set	85-84	3916AF Std Only	Position 3

Toyota Car

1.9L 1858cc SOHC L4 (8 Valve), 86mm Bore 1972-69 13					
Eng. Codes "8R" 1969-71, "8RC" 1969-71					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	71-69	KT-1021S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	72-69	ST-2037	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	72-69	VK-210	2 groove	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
4	Cast Piston	71	12110P Std-.50MM	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.8mm CD, 22.0mm Pin Dia., Flat Head - 9.0:1 C.R.	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	72-69	4-3960CPA Std-.25-.50-.75-100MM		
1	Cam Set	72-69	1569M Std Only		
1	Aux. Shaft Set	72-69	1729M		
1.9L 1897cc OHV L4 (8 Valve), 88mm Bore 1970-61 14					
Eng. Codes "3RB" 1961-66, "3RC" 1967-70					
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	70-61	VG-670	Int.; .3552" ID, 2.4020" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	70-61	ST-2037	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	70-61	VK-210	2 groove	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
4	Cast Piston	67-65	12090NP1.00MM 1.00MM	Cast; 2-2.50mm, 1-5.00mm Ring Groove, 41.0mm CD, 24.0mm Pin Dia., Flat Head - 8.0:1 C.R.	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	70-65	67033BF Std Only	Position 2	
1	Cam Set	70-65	1564M Std Only		
2.0L 1968cc SOHC L4 (8 Valve), 88.5mm Bore 1974-72 15					
Eng. Code "18RC" 1972-74					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	74-72	KT-1021S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	74-72	ST-2037	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	74-72	VK-210	2 groove	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK
1	Pin Bushing Set	74-72	4-3964Y		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	74-72	E-364X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM	
1	Standard Set	74-72	E-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
4	Premium Single Cylinder Set	74-72	WE-364KC Std-.50-.75MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	74-72	WE-437KC Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
4	Standard Single Cylinder Set	74-72	WE-364X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
4	Standard Single Cylinder Set	74-72	WE-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	74-72	4-3960CPA Std-.25-.50-.75-100MM		
1	Aux. Shaft Set	74-72	1729M		
2.0L 1974cc SOHC Turbo-Diesel L4 (8 Valve), 86mm Bore 1986 16					
Eng. Code "2CTL" 1986					
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	86	7111MA Std-.25MM	A-Series aluminum bearings
	1	Thrust Washer Set	86	3916AF Std Only	Position 3
2.0L 1995cc SOHC L4 (8 Valve), 84mm Bore 1986-83 17					
Eng. Code "2SELC" 1983-86					
BLOCK	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	86-83	222-87	
	1	Timing Belt Tensioner	86-83	222-104BT	
	1	Belt Idler	86-83	222-111BT	

(continued on next page)

Toyota Car

17 2.0L 1995cc SOHC L4 (8 Valve), 84mm Bore 1986-83 (cont.) Eng. Code "2SELC" 1983-86

	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	8	Lifter	86-83	HT-6004 Std Only	Hyd.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	86-83	V-2357 Std Only	Nitrided stem; 1.3386" Head Dia., .3135" Stem Dia., 4.3010" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	86-83	ST-2074	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	86-83	245-1437-66 Std Only	1.4445" OD, 1.1200" ID, .3000" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	86-83	VK-210	2 groove
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	86-83	E-519K.50MM .50MM	2-1.50MM, 1-4.00MM
	1	Standard Set	86-83	E-519X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	86-83	WE-519KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	86-83	6622MA Std-.25MM	A-Series aluminum bearings
	1	Thrust Washer Set	86-83	67277BF Std Only	Position 3
	1	Rod Set	86-83	4-3895RA Std-.25MM	

18 2.0L 1998cc DOHC L4 (16 Valve), 86mm Bore 1990-86 Eng. Codes "3SFE" 1987-92, "3SGELC" 1986-89

	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-86	222-138	
	1	Timing Belt Tensioner	90-86	222-301BT	Upper
	1	Timing Belt & Tensioner Set	89-87	BTS-199	
	1	Belt Idler	90-86	222-111BT	Lower
VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-87	CS-1551	Int.; Eng. Code "3SFE"
	16	Lifter	90-86	AT-6003 Std Only	Mech.
	1	Prelube	90-87	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	90-87	KC-1551	Int.; Eng. Code "3SFE"; Mech.; Incl. (8) AT-6003, (1) CS-1551, (1) 55-403B
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	16	Guide	90-86	VG-811	Exh. & Int.; .2400" ID, 1.7700" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring	90-86	VS-869	1.7960" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90	ST-2079	Exh.; From 4/90; Positive type; Rubber
	16	Valve Stem Seal	90	ST-2079	Exh. & Int.; To 3/90; Positive type; Rubber
	8	Valve Stem Seal	90	ST-2113	Int.; From 4/90; Positive type; Viton®
	16	Valve Stem Seal	89-86	ST-2079	Exh. & Int.; Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.	90-86	245-1250-55 Std Only	1.100" ID top taper; 1.2570" OD, 1.0050" ID, .2550" Depth
	8	Int.	90-86	245-1437-67 Std Only	1.270" ID top taper; 1.4445" OD, 1.1800" ID, .2550" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper	90-86	VK-242	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-87	H833CP Std-.50-.75-1.00MM	Eng. Code "3SFE"; Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.397" CD, .7874" Pin Dia., Recessed Head 4.50mm deep x 71.00mm dia. w/4 valve reliefs; DurOshield® skirt coated piston
	1	Pin Bushing Set	90-86	4-3899Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90	E-523KC Std-.75-1.00MM	Eng. Code "3SFE"; To 5/90; 2-1.50MM, 1-4.00MM
	1	Premium Set	89-86	E-523KC Std-.75-1.00MM	Eng. Code "3SFE"; 2-1.50MM, 1-4.00MM
	1	Standard Set	90	E-523X Std Only	Eng. Code "3SFE"; To 5/90; 2-1.50MM, 1-4.00MM
	1	Standard Set	89-86	E-523X Std Only	Eng. Code "3SFE"; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90	WE-523KC Std-.50MM	Eng. Code "3SFE"; To 5/90; 2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	89-86	WE-523KC Std-.50MM	Eng. Code "3SFE"; 2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-86	6622MA Std-.25MM	A-Series aluminum bearings
	1	Thrust Washer Set	90-86	67277BF Std Only	Position 3
	1	Rod Set	90-86	4-3895RA Std-.25MM	

(continued on next page)

Toyota Car

2.0L 1998cc DOHC L4 (16 Valve), 86mm Bore 1990-86 18						
Eng. Codes "3SFE" 1987-92, "3SGELC" 1986-89 (cont.)						
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-86	224-41948		
	1	Screen Assy.	90-87	224-14288	Eng. Code "3SFE"	
B L O C K	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
	1	Kit Gasket Set	90-87	260-1502	Eng. Code "3SFE"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Brass Block Plug Kit	90-86	381-8091		
	RE-RING KIT					PREMIUM KIT NO.
	YEARS	DESCRIPTION				ECONOMY KIT NO.
K I T S	90	Eng. Code "3SFE"; To 5/90; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6181	----
	89-87	Eng. Code "3SFE"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6181	----
	OVERHAUL KIT					PREMIUM KIT NO.
K I T S	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	90	Eng. Code "3SFE"; To 5/90; Cam kit & freeze plugs not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6181A	----
	90	To 5/90; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block		BKP-6314 BK-6314	----
K I T S	89-87	Eng. Code "3SFE"; Cam kit & freeze plugs not incl.; Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		MK-6181A	----
	89-87	Incl. A-Series aluminum bearings ; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs Block		BKP-6314 BK-6314	----
2.0L 1998cc DOHC Turbo L4 (16 Valve), 86mm Bore 1990-88 19						
Eng. Code "3SGTE" 1988-95						
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt Tensioner	90	222-331BT	Spring loaded	
	1	Timing Belt & Tensioner Set	89-88	BTS-199		
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	90-88	VG-811	.2400" ID, 1.7700" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
B L O C K	8	Valve Stem Seal	90	ST-2079	Exh.; To 6/90; Positive type; Rubber	
	8	Valve Stem Seal	90	ST-2079	Int.; Positive type; Rubber	
	8	Valve Stem Seal	89	ST-2079	Exh.; From 9/89; Positive type; Rubber	
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	8	Exh.	90-88	245-1250-55 Std Only	1.100" ID top taper; 1.2570" OD, 1.0050" ID, .2550" Depth	
	8	Int.	90-88	245-1437-67 Std Only	1.270" ID top taper; 1.4445" OD, 1.1800" ID, .2550" Depth	
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	32	Keeper	90-88	VK-242		
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	90-88	4-3899Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Premium Set	90	E-606KC Std-.50MM	From 5/90; 1-1.20MM, 1-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-88	6622MA Std-.25MM	A-Series aluminum bearings	
B L O C K	1	Thrust Washer Set	90-88	67277BF Std Only	Position 3	
	1	Rod Set	90-88	4-3895RA Std-.25MM		
B L O C K	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
	1	Oil Pump	90-88	224-41985	w/o Sensor	
	1	Screen Assy.	90-88	224-14288		
B L O C K	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-88	381-8091		

Toyota Car

20 2.2L 2164cc DOHC L4 (16 Valve), 87mm Bore 1990 Eng. Codes "5SFE" 1990-2001, "5SNFE" 2000-2001 (CNG)						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90	222-138		
	1	Timing Belt Tensioner	90	222-301BT	Upper	
	1	Timing Belt & Tensioner Set	90	BTS-199		
	1	Belt Idler	90	222-111BT	Lower	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	16	Lifter	90	AT-6003	Std Only Mech.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	16	Guide	90	VG-791	Exh. & Int.; Celica; .2350" ID, 1.6000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
16	Spring	90	VS-869	Celica; 1.7960" Free Height		
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION		
8	Valve Stem Seal	90	ST-2079	Exh.; Positive type; Rubber		
8	Valve Stem Seal	90	ST-2113	Int.; Positive type; Viton®		
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
8	Exh.	90	245-1062-50	Std Only 1.0695" OD, .7900" ID, .2540" Depth		
8	Int.	90	245-1375-56	Std Only 1.3820" OD, 1.1020" ID, .2600" Depth		
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
32	Keeper	90	VK-242			
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	4	Cast Piston	90	H827P	Std-.50MM Hypereutectic; 2-1.50mm, 1-4.00mm Ring Groove, 1.268" CD, .8664" Pin Dia., Recessed Head .180" deep w/4 valve reliefs	
	1	Pin Bushing Set	90	4-3899Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	90	E-609KC	Std Only 2-1.50MM, 1-3.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90	6622MA	Std-.25MM A-Series aluminum bearings	
	1	Thrust Washer Set	90	67277BF	Std Only	
	1	Rod Set	90	4-4450P	Std-.25-.50MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	90	224-41948	Celica		
1	Screen Assy.	90	224-14288	Celica		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90	260-1750	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90	381-8091			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90	Incl. A-Series aluminum bearings; PermaDry® molded Re-ring w/Mains rubber valve cover gskt. incl.; Premium valve stem seals incl.			205-6750AM	----
90	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	205-6750A	----	
21 2.2L 2189cc SOHC L4 (8 Valve), 88.5mm Bore 1980-75 Eng. Code "20R" 1975-80						
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Complete Set	80-75	KT-1019S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal	
	1	Timing Chain	80-75	222-3DR98	Double rlr.; 98 Links	
	1	Timing Chain Tensioner	80-75	222-16CT		
	1	Timing Chain Guide	80-75	222-26GP	Tension Side	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	80-75	CS-719		
	1	Prelube	80-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	80-75	R-890		
1	Rocker Shaft	80-75	RS-628	Exh.		
1	Rocker Shaft	80-75	RS-629	Int.		
1	Rocker Shaft	80-75	RS-704	Int.		
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
8	Guide	80-75	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.		
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
8	Spring	80-75	VS-786	1.8250" Free Height		

(continued on next page)

Toyota Car

2.2L 2189cc SOHC L4 (8 Valve), 88.5mm Bore 1980-75 **21** Eng. Code "20R" 1975-80 (cont.)

B L O C K	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	B L O C K	
	8	Valve Stem Seal	80-75	ST-2037	Positive type; Rubber		
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION		
	16	Keeper	80-75	VK-210	2 groove		
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION		
	1	Pin Bushing Set	80-75	4-3964Y			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Standard Set	80	E-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove		
	1	Standard Set	79-75	E-364X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	80	WE-437KC Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove		
4	Premium Single Cylinder Set	79-75	WE-364KC Std-.50-.75MM	1-2.00MM, 1-2.50MM, 1-4.00MM			
4	Standard Single Cylinder Set	80	WE-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove			
4	Standard Single Cylinder Set	79-75	WE-364X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM			
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	B L O C K		
1	Main Set	80-75	7142M Std-.25-.50-.75MM	Position 3			
1	Thrust Washer Set	80-75	67332AF Std-.25MM				
1	Rod Set	80-75	4-3960CPA Std-.25-.50-.75-100MM				
1	Cam Set	80-75	1859M Std Only				
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	80-78	224-41902				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	80-75	260-1065	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	80-75	381-8042				
K I T S	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	K I T S
	YEARS	DESCRIPTION			-----	205-353	
	80	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring				
	79-75	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		-----	205-301	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	
	YEARS	DESCRIPTION			-----	MK-353A	
80	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons					
79-78	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons		-----	MK-301C		

2.3L 2253cc SOHC L6 (12 Valve), 75mm Bore 1972-67 **22** Eng. Code "2M" 1967-72

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Timing Chain Tensioner	72-68	222-18CT	Adjuster	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
	24	Keeper	72-67	VK-210	2 groove	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	72-68	6-3969Y		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	72-68	6734M Std Only	Position 4	
	1	Thrust Washer Set	72-68	67033BF Std Only		
	1	Rod Set	72-68	6-3965CP Std-.25-.50MM		
	1	Cam Set	72-68	1569M Std Only		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	72-71	381-8048			

2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1985-81 **23** Eng. Codes "22R" 1981-85, "22REC" 1983-85

B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	B L O C K
	1	Complete Set	85	KT-1028S	Incl. sprockets, single rlr. chain, tensioner, guides; If the cyl. head or eng. block has been resurfaced use shim	
	1	Complete Set	84-83	KT-1020S	Incl. sprockets, single rlr. chain, tensioner, guides, gskts. & oil seal	
	1	Complete Set	82-81	KT-1019S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal	
	1	Timing Chain	85	222-S96T2	Single rlr.; 96 Links	
	1	Timing Chain	84-83	222-SR98T3	Single rlr.; 98 Links	
	1	Timing Chain	82-81	222-3DR98	Double rlr.; 98 Links	

(continued on next page)

Toyota Car

23 2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1985-81
(cont.) Eng. Codes "22R" 1981-85, "22REC" 1983-85

VALVE TRAIN	QTY	TIMING (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	85-83	222-100CT	
	1	Timing Chain Tensioner	82-81	222-16CT	
	1	Timing Chain Guide	85	222-133GP	L.H.
	1	Timing Chain Guide	85	222-132GP	R.H.
	1	Timing Chain Guide	84-83	222-101GP	R.H.
	1	Timing Chain Guide	82-81	222-26GP	L.H.
	1	Crank Sprocket	85-83	223-593	18 Teeth
	1	Cam Sprocket	85-83	223-600	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	85-81	CS-719	
	1	Prelube	85-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
VALVE TRAIN	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	85-81	R-890	
	1	Rocker Shaft	85-81	RS-628	Exh.
	1	Rocker Shaft	85-81	RS-629	Int.
	1	Rocker Shaft	85-81	RS-704	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	85-81	V-2263 Std Only	Chrome plated stem; 1.4567" Head Dia., .3135" Stem Dia., 4.4200" O.A.L.
	4	Exhaust, Bulk	85-81	V-2263B Std Only	1 groove; Chrome plated stem; Carton of 25; 1.4567" Head Dia., .3135" Stem Dia., 4.4200" O.A.L.
	4	Intake	85-81	V-2264 Std Only	1 groove; Nitrided stem; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.
	4	Intake, Bulk	85-81	V-2264B Std Only	1 groove; Nitrided stem; Carton of 25; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.
VALVE TRAIN	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	85	VG-793	Exh. & Int.; .3150" ID, 2.2500" O.A.L.
	4	Guide	85	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.
	8	Guide	84-81	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	85	VS-1445	1.9730" Free Height
	8	Spring	84-81	VS-786	1.8250" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	85-81	ST-2037	Positive type; Rubber
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	4	Exh.	85-81	245-1562-67 Std Only	1.5695" OD, 1.2550" ID, .3190" Depth
	4	Int.	85-81	245-1937-52 Std Only	1.9445" OD, 1.5730" ID, .3790" Depth
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	85-81	VK-210	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	84-81	12326P Std.-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 5.00mm deep w/dome
	4	Cast Piston - Individual	84-81	W12326P Std.-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 5.00mm deep w/dome
	1	Cast Piston Set w/Prem. Rings	84-81	4K12326P Std.-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief
	1	Pin Bushing Set	85-81	4-3964Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	85	E-510K Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	85	E-510KC Std.-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
BLOCK	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	85-83	7148M Std.-.25-.50-.75MM	
	1	Main Set	82	7148M Std.-.25-.50-.75MM	From 3/82
	1	Main Set	82	7142M Std.-.25-.50-.75MM	To 2/82
	1	Main Set	81	7142M Std.-.25-.50-.75MM	

(continued on next page)

Toyota Car

2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1985-81 23
Eng. Codes "22R" 1981-85, "22REC" 1983-85 (cont.)

BLOCK	ENGINE BEARINGS				
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION
	1	Thrust Washer Set	85	67333AF Std Only	Position 3
	1	Thrust Washer Set	84	67333AF Std Only	Position 3; From 4/84
	1	Thrust Washer Set	84	67332AF Std-.25MM	Position 3; To 3/84
	1	Thrust Washer Set	83-81	67332AF Std-.25MM	Position 3
	1	Rod Set	85-81	4-3960CPA Std-.25-.50-.75-100MM	
	1	Cam Set	85-81	1859M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	85	224-41940	Eng. Code "22R"
1	Oil Pump	84-81	224-41902	Eng. Code "22R"	
1	Screen Assy.	85-82	224-14235	Eng. Code "22R"; Exc. Celica	
1	Screen Assy.	81	224-14235	Exc. Celica & Corona	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set	85	260-1503	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	84-83	260-1188	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
1	Kit Gasket Set	82-81	260-1091	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	85-81	381-8042		
KITS	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	85	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6182 205-6182M	205-1182 205-1182M
	84-83	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-854 205-854M	205-354 205-354M
	82-81	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-830	205-330
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	85	Eng. Code "22R"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; If the cyl. head or eng. block has been resurfaced use shim	Master w/o Pistons	MK-6182A	MK-1182A
	84	Eng. Code "22R"; To 3/84; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-854A MK-854A	MKP-354A MK-354A
	83	Eng. Code "22R"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-854A MK-854A	MKP-354A MK-354A
82	Eng. Code "22R"; From 3/82; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-830C MK-830C	MKP-330C MK-330C	

2.5L 2507cc DOHC V6 (24 Valve), 87.5mm Bore 1990-88 24
Eng. Code "2VZFE" 1988-92

VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	1	Timing Belt	90-88	222-157		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	12	Lifter	90-88	AT-6003 Std Only	Mech.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	6	Exhaust	90-88	V-2584X Std Only	Chrome plated stem; 1.0790" Head Dia., .2351" Stem Dia., 3.7870" O.A.L.	VALVE TRAIN
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	12	Guide	90-88	VG-791	.2350" ID, 1.6000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	12	Spring	90-88	VS-934	1.6800" Free Height	
VALVE TRAIN	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN
	12	Valve Stem Seal	90-88	ST-2079	Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	6	Exh.	90-88	245-1187-53 Std Only	1.1945" OD, .9350" ID, .2350" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
VALVE TRAIN	24	Keeper	90-88	VK-242		VALVE TRAIN
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	6	Premium Single Cylinder Set	90-88	WE-563KC Std Only	2-1.50MM, 1-3.00MM	

(continued on next page)

Toyota Car

24 2.5L 2507cc DOHC V6 (24 Valve), 87.5mm Bore 1990-88 (cont.) Eng. Code "2VZFE" 1988-92					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	7114MA Std-.25-.50MM	A-Series aluminum bearings
	1	Thrust Washer Set	90-88	3956BF Std Only	
	1	Rod Set	90-88	6-4010RA Std-.25-.50MM	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-88	381-8097		
25 2.6L 2563cc SOHC L6 (12 Valve), 80mm Bore 1980-71 Eng. Codes "4M" 1971-79, "4ME" 1979-80					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Chain Tensioner	80-71	222-18CT	Adjuster
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	80-71	VK-210	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	80-71	6-3969Y	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-71	6734M Std Only	Position 4
	1	Thrust Washer Set	80-71	67033BF Std Only	
	1	Rod Set	80-71	6-3965CP Std-.25-.50MM	
1	Cam Set	76-72	1569M Std Only		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	80-71	381-8048		
26 2.8L 2759cc SOHC L6 (12 Valve), 83mm Bore 1982-81 Eng. Code "5ME" 1981-82					
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	82-81	VK-210	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Pin Bushing Set	82-81	6-3969Y	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	82-81	6734M Std Only	Position 4
	1	Thrust Washer Set	82-81	67033BF Std Only	
	1	Rod Set	82-81	6-3965CP Std-.25-.50MM	
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	82-81	381-8048	
27 2.8L 2759cc DOHC L6 (12 Valve), 83mm Bore 1988-82 Eng. Code "5MGE" 1982-88					
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	88-84	222-101	
	1	Timing Belt Tensioner	88-82	222-96BT	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	12	Lifter	88-82	HT-6004 Std Only	Hyd.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm	88-82	R-970	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	88-82	ST-2037	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	88-82	VK-210	2 groove
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	84	12963P1.00MM 1.00MM	To 8/84; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 33.0mm CD, 22.0mm Pin Dia., Domed Head w/2 valve reliefs
	6	Cast Piston	83	12963P1.00MM 1.00MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 33.0mm CD, 22.0mm Pin Dia., Domed Head w/2 valve reliefs
	6	Cast Piston	82	12963P1.00MM 1.00MM	From 8/81; Cast; 2-1.50mm, 1-4.00mm Ring Groove, 33.0mm CD, 22.0mm Pin Dia., Domed Head w/2 valve reliefs
	1	Pin Bushing Set	88-82	6-3969Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	88-82	E-491KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	1	Standard Set	88-82	E-491X Std Only	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	88-82	WE-491KC Std-.50MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	88-85	6693M Std-.25-.50MM		
1	Main Set	84	6693M Std-.25-.50MM	From 8/84	
1	Main Set	84	6734M Std Only	To 7/84	

(continued on next page)

Toyota Car

2.8L 2759cc DOHC L6 (12 Valve), 83mm Bore 1988-82 27

Eng. Code "5MGE" 1982-88 (cont.)

BLOCK	ENGINE BEARINGS					
	QTY	(cont.)	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	83-82	6734M	Std Only	
	1	Thrust Washer Set	88-82	67033BF	Std Only	Position 4
	1	Rod Set	88-85	6-1165CP	Std-.25-.50-.75MM	
	1	Rod Set	84	6-1165CP	Std-.25-.50-.75MM	From 8/84
	1	Rod Set	84	6-3965CP	Std-.25-.50MM	To 7/84
	1	Rod Set	83-82	6-3965CP	Std-.25-.50MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	88-82	260-1292	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	88-82	381-8048			
KITS	RE-RING KIT					
	YEARS	DESCRIPTION			PREMIUM KIT NO.	ECONOMY KIT NO.
	88-85	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6185	----
	84	To 7/84; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6064	----
	84	From 8/84; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6185	----
	83-82	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring		205-6064	----

3.0L 2954cc DOHC L6 (24 Valve), 83mm Bore 1990-86 28

Eng. Code "7MGE" 1986-92

V A L V E	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	V A L V E
	1	Timing Belt	90-86	222-126		
	1	Belt Idler	90-86	222-205BT		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
T R A I N	1	Camshaft	90-86	CS-1545	Exh.	T R A I N
	1	Camshaft	90-86	CS-1544	Int.	
	24	Lifter	90-86	AT-6003	Mech.	
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	T R A I N
	12	Guide	90-86	VG-791	Exh.; .2350" ID, 1.6000" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	24	Valve Stem Seal	90-86	ST-2079	Positive type; Rubber	
T R A I N	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	T R A I N
	12	Exh.	90-86	245-1187-52	Std Only 1.1945" OD, .9340" ID, .2570" Depth	
	12	Int.	90-86	245-1312-60	Std Only 1.3195" OD, 1.0700" ID, .2570" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
B L O C K	48	Keeper	90-86	VK-242		B L O C K
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	90-86	6-3969Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Premium Set	90-86	E-491KC	Std-.50-.75MM 2-1.50MM, 1-4.00MM	B L O C K
	1	Standard Set	90-86	E-491X	Std Only 2-1.50MM, 1-4.00MM	
	6	Premium Single Cylinder Set	90-86	WE-491KC	Std-.50MM 2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Main Set	90-86	6693M	Std-.25-.50MM	B L O C K
	1	Thrust Washer Set	90-86	67033BF	Std Only Position 4	
	1	Rod Set	90-86	6-1165CP	Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
B L O C K	1	Oil Pump	90-89	224-41942	Supra	B L O C K
	1	Oil Pump	88-86	224-41942		
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
	1	Brass Block Plug Kit	90-88	381-8097		

3.0L 2954cc DOHC Turbo L6 (24 Valve), 83mm Bore 1990-87 29

Eng. Code "7MGTE" 1987-92

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-87	222-126	
1	Belt Idler	90-87	222-205BT	

(continued on next page)

Toyota Car

29 3.0L 2954cc DOHC Turbo L6 (24 Valve), 83mm Bore 1990-87 (cont.) Eng. Code "7MGTE" 1987-92

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
12	Lifter	90-87	AT-6003 Std Only	Mech.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	90-87	VG-791	Exh.; .2350" ID, 1.6000" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
12	Exh.	90-87	245-1187-52 Std Only	1.1945" OD, .9340" ID, .2570" Depth
12	Int.	90-87	245-1312-60 Std Only	1.3195" OD, 1.0700" ID, .2570" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
48	Keeper	90-87	VK-242	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
1	Pin Bushing Set	90-87	6-3969Y	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	90-87	E-491KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
6	Premium Single Cylinder Set	90-87	WE-491KC Std-.50MM	2-1.50MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-87	6693M Std-.25-.50MM	
1	Thrust Washer Set	90-87	67033BF Std Only	Position 4
1	Rod Set	90-87	6-1165CP Std-.25-.50-.75MM	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	90-87	224-41942	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	90-88	381-8097	

30 4.0L 3968cc DOHC V8 (32 Valve), 87.5mm Bore 1990 Eng. Code "1UZFE" 1990-2000

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90	222-B190	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
16	Exhaust	90	V-4502 Std Only	Chrome plated stem; 1.1020" Head Dia., .2350" Stem Dia., 3.8190" O.A.L.
16	Intake	90	V-4501 Std Only	Chrome plated stem; 1.3190" Head Dia., .2354" Stem Dia., 3.7400" O.A.L.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90	7366M Std Only	
1	Thrust Washer Set	90	4786F Std Only	Position 3
8	Rod Pair	90	4785P Std-.25MM	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
1	Kit Gasket Set	90	260-1802	LS400; Head bolts not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; RTV sealant incl. for Upper oil pan gskt.

Toyota Minivans - See Toyota Truck

Toyota SUV's - See Toyota Truck

Toyota Truck (Includes Minivans and SUV's)

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year Line No.
1.9L 1858cc SOHC L4 86mm Bore (8 Valve) L/D Truck.....	1971-70	1	2.4L 2446cc SOHC Diesel L4 92mm Bore (8 Valve) L/D Truck.....	1987-84 10
1.9L 1897cc OHV L4 88mm Bore (8 Valve) L/D Truck.....	1970-65	2	2.4L 2446cc SOHC Turbo-Diesel L4 92mm Bore (8 Valve) L/D Truck.....	1987-84 11
2.0L 1968cc SOHC L4 88.5mm Bore (8 Valve) L/D Truck.....	1974-72	3	3.0L 2958cc SOHC V6 87.5mm Bore (12 Valve) L/D Truck.....	1990-88 12
2.0L 1998cc OHV L4 86mm Bore (8 Valve) L/D Truck.....	1985-84	4	3.2L 3168cc OHV Diesel L4 98mm Bore (8 Valve) L/D Truck.....	1980-78 13
2.2L 2188cc SOHC Diesel L4 90mm Bore (8 Valve) L/D Truck.....	1983-81	5	3.4L 3431cc OHV Diesel L4 102mm Bore (8 Valve) L/D Truck.....	1987-81 14
2.2L 2189cc SOHC L4 88.5mm Bore (8 Valve) L/D Truck.....	1980-75	6	3.9L 3878cc OHV L6 90mm Bore (12 Valve) L/D Truck.....	1974-60 15
2.2L 2237cc OHV L4 91mm Bore (8 Valve) L/D Truck.....	1990-86	7	4.0L 3955cc OHV L6 94mm Bore (12 Valve) L/D Truck.....	1990-88 16
2.4L 2366cc SOHC L4 92mm Bore (8 Valve) L/D Truck.....	1990-81	8	4.2L 4230cc OHV L6 94mm Bore (12 Valve) L/D Truck.....	1987-75 17
2.4L 2366cc SOHC Turbo L4 92mm Bore (8 Valve) L/D Truck.....	1989-85	9		

Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description Line No.
F.....	3.9L 3878cc OHV L6 90mm Bore (12 Valve) L/D Truck.....	15	22REC.....	2.4L 2366cc SOHC L4 92mm Bore (8 Valve) L/D Truck..... 8
L.....	2.2L 2188cc SOHC Diesel L4 90mm Bore (8 Valve) L/D Truck.....	5	22RTEC.....	2.4L 2366cc SOHC Turbo L4 92mm Bore (8 Valve) L/D Truck..... 9
18RC.....	2.0L 1968cc SOHC L4 88.5mm Bore (8 Valve) L/D Truck.....	3	3B.....	3.4L 3431cc OHV Diesel L4 102mm Bore (8 Valve) L/D Truck..... 14
2B.....	3.2L 3168cc OHV Diesel L4 98mm Bore (8 Valve) L/D Truck.....	13	3FE.....	4.0L 3955cc OHV L6 94mm Bore (12 Valve) L/D Truck..... 16
2F.....	4.2L 4230cc OHV L6 94mm Bore (12 Valve) L/D Truck.....	17	3RC.....	1.9L 1897cc OHV L4 88mm Bore (8 Valve) L/D Truck..... 2
2L.....	2.4L 2446cc SOHC Diesel L4 92mm Bore (8 Valve) L/D Truck.....	10	3VZE.....	3.0L 2958cc SOHC V6 87.5mm Bore (12 Valve) L/D Truck..... 12
2LT.....	2.4L 2446cc SOHC Turbo-Diesel L4 92mm Bore (8 Valve) L/D Truck.....	11	3YEC.....	2.0L 1998cc OHV L4 86mm Bore (8 Valve) L/D Truck..... 4
20R.....	2.2L 2189cc SOHC L4 88.5mm Bore (8 Valve) L/D Truck.....	6	4YEC.....	2.2L 2237cc OHV L4 91mm Bore (8 Valve) L/D Truck..... 7
22R.....	2.4L 2366cc SOHC L4 92mm Bore (8 Valve) L/D Truck.....	8	8RC.....	1.9L 1858cc SOHC L4 86mm Bore (8 Valve) L/D Truck..... 1
22RE.....	2.4L 2366cc SOHC L4 92mm Bore (8 Valve) L/D Truck.....	8		

1.9L 1858cc SOHC L4 (8 Valve), 86mm Bore 1971-70 L/D Truck Eng. Code "8RC" 1970-71					1
B L O C K	QTY 1	TIMING Complete Set	YEARS 71-70	PART NO. KT-1021S	DESCRIPTION Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS 71-70	PART NO. ST-2037	DESCRIPTION Positive type; Rubber
	QTY 16	VALVE, MISC Keeper	YEARS 71-70	PART NO. VK-210	DESCRIPTION 2 groove
	QTY 4	PISTON Cast Piston	YEARS 71-70	PART NO. 12110P Std.-50MM	DESCRIPTION Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.8mm CD, 22.0mm Pin Dia., Flat Head - 9.0:1 C.R.
B L O C K	QTY 1	ENGINE BEARINGS Rod Set	YEARS 71-70	PART NO. 4-3960CPA Std.-25-.50-.75-100MM	DESCRIPTION
	1	Cam Set	71-70	1569M Std Only	
	1	Aux. Shaft Set	71-70	1729M	
1.9L 1897cc OHV L4 (8 Valve), 88mm Bore 1970-65 L/D Truck Eng. Codes "3RB" 1965-67, "3RC" 1968-70					2
B L O C K	QTY 4	VALVE GUIDE Guide	YEARS 70-65	PART NO. VG-670	DESCRIPTION Int.; .3552" ID, 2.4020" O.A.L.
	QTY 8	VALVE SEAL Valve Stem Seal	YEARS 70-65	PART NO. ST-2079	DESCRIPTION Positive type; Rubber
	QTY 16	VALVE, MISC Keeper	YEARS 70-65	PART NO. VK-210	DESCRIPTION 2 groove

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

2		1.9L 1897cc OHV L4 (8 Valve), 88mm Bore 1970-65			
(cont.)		L/D Truck Eng. Codes "3RB" 1965-67, "3RC" 1968-70			
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Cast Piston	67-65	12090NP1.00MM 1.00MM	Cast; 2-2.50mm, 1-5.00mm Ring Groove, 41.0mm CD, 24.0mm Pin Dia., Flat Head - 8.0:1 C.R.	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Thrust Washer Set	70-65	67033BF Std Only	Position 2	
1	Cam Set	70-65	1564M Std Only		
3		2.0L 1968cc SOHC L4 (8 Valve), 88.5mm Bore 1974-72			
		L/D Truck Eng. Code "18RC" 1972-74			
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Complete Set	74-72	KT-1021S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	74-72	ST-2037	Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Int.	74-72	245-1750-4 Std Only	w/Cast integral seats; 1.7555" OD, 1.4375" ID, .2480" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	74-72	VK-210	2 groove	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
1	Pin Bushing Set	74-72	4-3964Y		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Standard Set	74-72	E-364X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM	
1	Standard Set	74-72	E-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
4	Premium Single Cylinder Set	74-72	WE-364KC Std-.50-.75MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	74-72	WE-437KC Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
4	Standard Single Cylinder Set	74-72	WE-364X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
4	Standard Single Cylinder Set	74-72	WE-437X Std Only	1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Rod Set	74-72	4-3960CPA Std-.25-.50-.75-100MM		
1	Aux. Shaft Set	74-72	1729M		
4		2.0L 1998cc OHV L4 (8 Valve), 86mm Bore 1985-84			
		L/D Truck Eng. Code "3YEC" 1984-85			
QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
1	Complete Set	85-84	KT-1022S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
1	Camshaft	85-84	CS-875		
8	Lifter	85-84	HT-6005 Std Only	Hyd.	
1	Prelube	85-84	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
8	Push Rod	85-84	RP-3268	6.3800" O.A.L.	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
4	Exhaust	85-84	V-2496 Std Only	Nitrided stem; 1.4160" Head Dia., .3140" Stem Dia., 4.2680" O.A.L.	
4	Intake	85-84	V-2497 Std Only	Chrome plated stem; 1.5800" Head Dia., .3140" Stem Dia., 4.2620" O.A.L.	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	85-84	ST-2080	Positive type; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	85-84	VK-241		
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	85-84	E-523KC Std-.75-1.00MM	2-1.50MM, 1-4.00MM	
1	Standard Set	85-84	E-523X Std Only	2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	85-84	WE-523KC Std-.50MM	2-1.50MM, 1-4.00MM	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	85-84	6650MA Std-.25-.50MM	A-Series aluminum bearings	
1	Thrust Washer Set	85-84	67277BF Std Only	Position 3	
1	Rod Set	85-84	4-3980RA Std-.25-.50-.75MM		
1	Cam Set	85-84	1771M Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	85-84	224-41947		

Toyota Truck (Includes Minivans and SUV's)

2.2L 2188cc SOHC Diesel L4 (8 Valve), 90mm Bore 1983-81						5	
L/D Truck Eng. Code "L" 1981-83							
BLOCK	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	BLOCK	
	8	Guide	83-81	VG-929	.3372" ID, 2.4000" O.A.L.		
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION		
	4	Exh.	83-81	245-1437-67	Std Only 1.270" ID top taper; 1.4445" OD, 1.1800" ID, .2550" Depth		
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Pin Bushing Set	83-81	4-67304Y			
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	83-81	6620MA	Std.-.25-.50MM A-Series aluminum bearings; Full grooved		
	1	Main Set	83-81	6621MA	Std.-.25-.50MM A-Series aluminum bearings; Partial grooved		
	1	Thrust Washer Set	83-81	3921AF	Std Only Position 3		
1	Rod Set	83-81	4-3920CP	Std.-.25-.50-.75MM			
1	Cam Set	83-81	1774M	Std Only			
2.2L 2189cc SOHC L4 (8 Valve), 88.5mm Bore 1980-75						6	
L/D Truck Eng. Code "20R" 1975-80							
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	VALVE TRAIN	
	1	Complete Set	80-75	KT-1019S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal		
	1	Timing Chain	80-75	222-3DR98	Double rlr.; 98 Links		
	1	Timing Chain Tensioner	80-75	222-16CT			
	1	Timing Chain Guide	80-75	222-26GP	L.H.		
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION		
	1	Camshaft	80-75	CS-719			
	1	Prelube	80-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION		
	8	Arm	80-75	R-890			
	1	Rocker Shaft	80-75	RS-628	Exh.		
	1	Rocker Shaft	80-75	RS-629	Int.		
	1	Rocker Shaft	80-75	RS-704	Int.		
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION		
	8	Guide	80-75	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.		
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION		
8	Spring	80-75	VS-786	1.8250" Free Height			
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION			
8	Valve Stem Seal	80-75	ST-2037	Positive type; Rubber			
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION			
16	Keeper	80-75	VK-210	2 groove			
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	BLOCK	
	1	Pin Bushing Set	80-75	4-3964Y			
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION		
	1	Standard Set	80	E-437X	Std Only 1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove		
	1	Standard Set	79-75	E-364X	Std Only 1-2.00MM, 1-2.50MM, 1-4.00MM		
	4	Premium Single Cylinder Set	80	WE-437KC	Std Only 1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove		
	4	Premium Single Cylinder Set	79-75	WE-364KC	Std.-.50-.75MM 1-2.00MM, 1-2.50MM, 1-4.00MM		
	4	Standard Single Cylinder Set	80	WE-437X	Std Only 1-2.00MM, 1-2.50MM, 1-4.00MM; w/Shallow oil ring groove		
	4	Standard Single Cylinder Set	79-75	WE-364X	Std.-.50-.75-1.00MM 1-2.00MM, 1-2.50MM, 1-4.00MM		
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION		
	1	Main Set	80-75	7142M	Std.-.25-.50-.75MM Position 3		
	1	Thrust Washer Set	80-75	67332AF	Std.-.25MM		
	1	Rod Set	80-75	4-3960CPA	Std.-.25-.50-.75-100MM		
	1	Cam Set	80-75	1859M	Std Only		
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION			
1	Oil Pump	80-78	224-41902				
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION			
1	Kit Gasket Set	80-75	260-1065	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.			
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION			
1	Brass Block Plug Kit	80-75	381-8042				
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.	KITS
	YEARS	DESCRIPTION					
	80	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	-----	205-353	
	79-75	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Re-ring	-----	205-301	

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

6 2.2L 2189cc SOHC L4 (8 Valve), 88.5mm Bore 1980-75 (cont.) L/D Truck Eng. Code "20R" 1975-80					
KITS	OVERHAUL KIT			PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION			
	80	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master w/o Pistons	----- MK-353A
	79-78	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		Master w/o Pistons	----- MK-301C
7 2.2L 2237cc OHV L4 (8 Valve), 91mm Bore 1990-86 L/D Truck Eng. Code "4YEC" 1986-90					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	90-86	KT-1022S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-86	CS-875	
	8	Lifter	90-86	HT-6005 Std Only	Hyd.
	1	Prelube	90-86	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	8	Push Rod	90-86	RP-3268	6.3800" O.A.L.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-86	V-2496 Std Only	Nitrided stem; 1.4160" Head Dia., .3140" Stem Dia., 4.2680" O.A.L.
	4	Intake	90-86	V-2497 Std Only	Chrome plated stem; 1.5800" Head Dia., .3140" Stem Dia., 4.2620" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	90-86	ST-2080	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-86	VK-241	
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-86	E-611KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Standard Set	90-86	E-611X Std Only	2-1.50MM, 1-4.00MM
	4	Premium Single Cylinder Set	90-86	WE-611KC Std Only	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-86	6650MA Std-.25-.50MM	A-Series aluminum bearings
	1	Thrust Washer Set	90-86	67277BF Std Only	Position 3
	1	Rod Set	90-86	4-3980RA Std-.25-.50-.75MM	
	1	Cam Set	90-86	1771M Std Only	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-86	224-41947	
8 2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1990-81 L/D Truck Eng. Codes "22R" 1981-90, "22RE" 1989-95, "22REC" 1983-88					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Complete Set	90-85	KT-1028S	Incl. sprockets, single rlr. chain, tensioner, guides; If the cyl. head or eng. block has been resurfaced use shim
	1	Complete Set	84-83	KT-1020S	Incl. sprockets, single rlr. chain, tensioner, guides, gskts. & oil seal
	1	Complete Set	82-81	KT-1019S	Incl. sprockets, chain, tensioner, guides, gskts. & oil seal
	1	Timing Chain	90-85	222-S96T2	Single rlr.; 96 Links
	1	Timing Chain	84-83	222-SR98T3	Single rlr.; 98 Links
	1	Timing Chain	82-81	222-3DR98	Double rlr.; 98 Links
	1	Timing Chain Tensioner	90-83	222-100CT	
	1	Timing Chain Tensioner	82-81	222-16CT	
	1	Timing Chain Guide	90-85	222-133GP	L.H.
	1	Timing Chain Guide	90-85	222-132GP	R.H.
	1	Timing Chain Guide	84-83	222-101GP	R.H.
	1	Timing Chain Guide	82-81	222-26GP	L.H.
	1	Crank Sprocket	90-83	223-593	18 Teeth
	1	Cam Sprocket	90-83	223-600	36 Teeth
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	90-81	CS-719	
	1	Prelube	90-81	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	8	Arm	90-81	R-890	
	1	Rocker Shaft	90-89	RS-628	Exh.; Eng. Code "22RE"
	1	Rocker Shaft	90-89	RS-629	Int.; Eng. Code "22RE"
	1	Rocker Shaft	90-89	RS-704	Int.; Eng. Code "22RE"
	1	Rocker Shaft	88-81	RS-628	Exh.
	1	Rocker Shaft	88-81	RS-629	Int.

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1990-81 8					
L/D Truck Eng. Codes "22R" 1981-90, "22RE" 1989-95, "22REC" 1983-88 (cont.)					
VALVE TRAIN	QTY	ROCKER PARTS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rocker Shaft	88-81	RS-704	Int.
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-81	V-2263 Std Only	Chrome plated stem; 1.4567" Head Dia., .3135" Stem Dia., 4.4200" O.A.L.
	4	Exhaust, Bulk	90-81	V-2263B Std Only	1 groove; Chrome plated stem; Carton of 25; 1.4567" Head Dia., .3135" Stem Dia., 4.4200" O.A.L.
	4	Intake	90-81	V-2264 Std Only	1 groove; Nitrided stem; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.
	4	Intake, Bulk	90-81	V-2264B Std Only	1 groove; Nitrided stem; Carton of 25; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	90-85	VG-793	Exh. & Int.; .3150" ID, 2.2500" O.A.L.
	4	Guide	90-85	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.
	8	Guide	84-81	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	90-85	VS-1445	1.9730" Free Height
	8	Spring	84-81	VS-786	1.8250" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	90	ST-2099	Positive type; Rubber	
8	Valve Stem Seal	90-86	ST-2111	Positive type; Viton®	
8	Valve Stem Seal	90-81	ST-2037	Positive type; Rubber	
8	Valve Stem Seal	88-87	ST-2099	Positive type; Rubber	
8	Valve Stem Seal	86	ST-2099	From 5/86; Positive type; Rubber	
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
4	Exh.	90-81	245-1562-67 Std Only	1.5695" OD, 1.2550" ID, .3190" Depth	
4	Int.	90-81	245-1937-52 Std Only	1.9445" OD, 1.5730" ID, .3790" Depth	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	90-81	VK-210	2 groove	
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	90-85	12886CP Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief
	4	Cast Piston	90-85	12886P + Std-.50-.75-1.00-1.50MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief; When depleted use 12886CP
	4	Cast Piston	84-81	12326P Std-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 5.00mm deep w/dome
	4	Cast Piston - Individual	90-85	W12886P + Std Only	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head .090" deep x 2.520" dia. w/1 valve relief; When depleted use W12886CP
	4	Cast Piston - Individual	90-85	W12886CP Std Only	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief
	4	Cast Piston - Individual	84-81	W12326P Std-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 5.00mm deep w/dome
	1	Cast Piston Set w/Prem. Rings	90-85	4K12886CP.50MM .50-.75MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief
	1	Cast Piston Set w/Prem. Rings	90-85	4K12886P.50MM + .50-.75MM	Cast; 2-1.50mm, 1-4.00mm Ring Groove, 34.36mm CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief; When depleted use 4K12886CP .50MM
	1	Cast Piston Set w/Prem. Rings	84-81	4K12326P Std-.50-.75-1.00MM	Eng. Code "22R"; Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 39.0mm plus 6.50mm dome" CD, 22.0mm Pin Dia., Recessed Head 2.28mm deep x 34.36mm dia. w/1 valve relief
	1	Pin Bushing Set	90-81	4-3964Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-85	E-510K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	1	Premium Set	90-85	E-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
1	Premium Set	84-81	E-416KC Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
1	Standard Set	90-85	E-510X Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
1	Standard Set	84-81	E-416X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	90-85	WE-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
4	Premium Single Cylinder Set	90-85	WE-510K1.00MM 1.00MM	2-1.50MM, 1-4.00MM	

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

8 2.4L 2366cc SOHC L4 (8 Valve), 92mm Bore 1990-81
 (cont.) L/D Truck Eng. Codes "22R" 1981-90, "22RE" 1989-95, "22REC" 1983-88

BLOCK	QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION	BLOCK
	4	Premium Single Cylinder Set	84-81	WE-416KC Std.-50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	4	Standard Single Cylinder Set	84-81	WE-416X Std.-50-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	90-83	7148M Std.-25-.50-.75MM		
	1	Main Set	82	7148M Std.-25-.50-.75MM	From 3/82	
	1	Main Set	82	7142M Std.-25-.50-.75MM	To 2/82	
	1	Main Set	81	7142M Std.-25-.50-.75MM		
	1	Thrust Washer Set	90-85	67333AF Std Only	Position 3	
	1	Thrust Washer Set	84	67333AF Std Only	Position 3; From 4/84	
1	Thrust Washer Set	84	67332AF Std.-25MM	Position 3; To 3/84		
1	Thrust Washer Set	83-81	67332AF Std.-25MM	Position 3		
1	Rod Set	90-81	4-3960CPA Std.-25-.50-.75-100MM			
1	Cam Set	90-81	1859M Std Only			
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION		
1	Oil Pump	90-85	224-41940	Eng. Codes "22R", "22RE" & "22REC"		
1	Oil Pump	84-83	224-41902	Eng. Codes "22R" & "22REC"		
1	Oil Pump	82-81	224-41902	Eng. Code "22R"		
1	Screen Assy.	90-89	224-15054	Eng. Codes "22R" & "22RE"; 2WD Pickup		
1	Screen Assy.	90-88	224-14235	Eng. Code "22RE"		
1	Screen Assy.	88-83	224-15054	Eng. Codes "22R" & "22REC"; 2WD Pickup		
1	Screen Assy.	87-83	224-14235	Eng. Code "22R"; 4WD		
1	Screen Assy.	82-81	224-15054	Eng. Code "22R"; 2WD Pickup		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	90-85	260-1503	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	84-83	260-1188	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
1	Kit Gasket Set	82-81	260-1091	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	90-81	381-8042			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-85	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6182	205-1182	
			Re-ring w/Mains	205-6182M	205-1182M	
	84-83	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-854	205-354	
			Re-ring w/Mains	205-854M	205-354M	
	82-81	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-830	205-330	
	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	90-85	Eng. Codes "22R", "22RE" & "22REC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; If the cyl. head or eng. block has been resurfaced use shim	Master Master w/o Pistons	MKP-6182A MK-6182A	MKP-1182A MK-1182A	
	90-85	Eng. Codes "22R", "22RE" & "22REC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block w/Pump & Freeze Plugs	BKP-6328	----	
	90-85	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Block	BK-6328	----	
	84	Eng. Codes "22R" & "22REC"; To 3/84; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-854A MK-854A	MKP-354A MK-354A	
	83	Eng. Code "22R"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master	MKP-854A	MKP-354A	
	83	Eng. Codes "22R" & "22REC"; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master w/o Pistons	MK-854A	MK-354A	
	82	Eng. Code "22R"; From 3/82; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Master Master w/o Pistons	MKP-830C MK-830C	MKP-330C MK-330C	

Toyota Truck (Includes Minivans and SUV's)

2.4L 2366cc SOHC Turbo L4 (8 Valve), 92mm Bore 1989-85 L/D Truck Eng. Code "22RTEC" 1985-89						9
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Complete Set	89-85	KT-1028S	Incl. sprockets, single rlr. chain, tensioner, guides; If the cyl. head or eng. block has been resurfaced use shim	
	1	Timing Chain	89-85	222-S96T2	Single rlr.; 96 Links	
	1	Timing Chain Tensioner	89-85	222-100CT		
	1	Timing Chain Guide	89-85	222-133GP	L.H.	
	1	Timing Chain Guide	89-85	222-132GP	R.H.	
	1	Crank Sprocket	89-85	223-593	18 Teeth	
	1	Cam Sprocket	89-85	223-600	36 Teeth	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	88-86	CS-719		
1	Camshaft	85	CS-719	From 1/85		
1	Prelube	88-85	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.		
BLOCK	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
	8	Arm	88-85	R-890		
	1	Rocker Shaft	88-85	RS-628	Exh.	
	1	Rocker Shaft	88-85	RS-629	Int.	
	1	Rocker Shaft	88-85	RS-704	Int.	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	4	Intake	89-85	V-2264 Std Only	1 groove; Nitrided stem; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.	
	4	Intake, Bulk	89-85	V-2264B Std Only	1 groove; Nitrided stem; Carton of 25; 1.7700" Head Dia., .3140" Stem Dia., 4.4650" O.A.L.	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	89-85	VG-706	Exh. & Int.; .3160" ID, 2.2600" O.A.L.	
KITS	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	89-85	VS-1445	1.9730" Free Height	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
	8	Valve Stem Seal	89-87	ST-2099	Positive type; Rubber	
	8	Valve Stem Seal	89-85	ST-2037	Positive type; Rubber	
	8	Valve Stem Seal	86	ST-2099	From 5/86; Positive type; Rubber	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	89-85	245-1562-67 Std Only	1.5695" OD, 1.2550" ID, .3190" Depth	
	4	Int.	89-85	245-1937-52 Std Only	1.9445" OD, 1.5730" ID, .3790" Depth	
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	89-85	VK-210	2 groove		
KITS	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	1	Premium Set	88-85	E-510K Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	1	Premium Set	88-85	E-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	88-85	WE-510KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM	
	4	Premium Single Cylinder Set	88-85	WE-510K1.00MM 1.00MM	2-1.50MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	89-85	7148M Std-.25-.50-.75MM		
	1	Thrust Washer Set	89-85	67333AF Std Only	Position 3	
	1	Rod Set	89-85	4-3960CPA Std-.25-.50-.75-100MM		
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump	88-85	224-41940			
1	Screen Assy.	88-86	224-14235			
1	Screen Assy.	85	224-14235	From 1/85		
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION		
1	Kit Gasket Set	89-85	260-1503	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION		
1	Brass Block Plug Kit	89-85	381-8042			
KITS	RE-RING KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	88-85	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring		205-6182	----
			Re-ring w/Mains		205-6182M	----
KITS	OVERHAUL KIT				PREMIUM KIT NO.	ECONOMY KIT NO.
	YEARS	DESCRIPTION				
	88-86	Exh. manifold gskt. not incl.; Turbo mtg. gskts. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; If the cyl. head or eng. block has been resurfaced use shim	Master w/o Pistons		MK-6182A	----

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

9 2.4L 2366cc SOHC Turbo L4 (8 Valve), 92mm Bore 1989-85 (cont.) L/D Truck Eng. Code "22RTEC" 1985-89						
OVERHAUL KIT (cont.) YEARS DESCRIPTION 85 From 1/85; Exh. manifold gskt. not incl.; Turbo mtg. Master w/o Pistons gskts. not incl.; PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.; If the cyl. head or eng. block has been resurfaced use shim					PREMIUM KIT NO. MK-6182A	ECONOMY KIT NO. -----
10 2.4L 2446cc SOHC Diesel L4 (8 Valve), 92mm Bore 1987-84 L/D Truck Eng. Code "2L" 1984-87						
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Belt Idler	87	222-320BT	To 8/87	
	1	Belt Idler	86-85	222-320BT		
	1	Belt Idler	84	222-320BT	From 4/84	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	87-84	VG-929	.3372" ID, 2.4000" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
	8	Spring	87-84	VS-786	1.8250" Free Height	
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION	
	4	Exh.	87-84	245-1437-67 Std Only	1.270" ID top taper; 1.4445" OD, 1.1800" ID, .2550" Depth	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
	1	Pin Bushing Set	87-84	4-67304Y		
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	87-84	WE-765KC Std Only	2-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6620MA Std-.25-.50MM	A-Series aluminum bearings; Full grooved	
	1	Main Set	87-84	6621MA Std-.25-.50MM	A-Series aluminum bearings; Partial grooved	
	1	Thrust Washer Set	87-84	3921AF Std Only	Position 3	
	1	Rod Set	87-84	4-3920CP Std-.25-.50-.75MM		
	1	Cam Set	87-84	1774M Std Only		
11 2.4L 2446cc SOHC Turbo-Diesel L4 (8 Valve), 92mm Bore 1987-84 L/D Truck Eng. Code "2LT" 1984-87						
B L O C K	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Belt Idler	87	222-320BT	To 8/87	
	1	Belt Idler	86-85	222-320BT		
	1	Belt Idler	84	222-320BT	From 4/84	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8	Guide	87-84	VG-929	.3372" ID, 2.4000" O.A.L.	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
	4	Premium Single Cylinder Set	87-84	WE-765KC Std Only	2-2.00MM, 1-4.00MM	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
	1	Main Set	87-84	6621MA Std-.25-.50MM	A-Series aluminum bearings; Partial grooved	
	1	Main Set	85-84	6620MA Std-.25-.50MM	A-Series aluminum bearings; Full grooved	
	1	Thrust Washer Set	87-84	3921AF Std Only	Position 3	
	1	Rod Set	87-84	4-3930RA Std-.25-.50MM		
	1	Cam Set	87-84	1774M Std Only		
12 3.0L 2958cc SOHC V6 (12 Valve), 87.5mm Bore 1990-88 L/D Truck Eng. Code "3VZE" 1988-95						
V A L V E T R A I N	QTY	TIMING	YEARS	PART NO.	DESCRIPTION	
	1	Timing Belt	90-88	222-154		
	1	Belt Idler	90-88	222-209BT	L.H.	
	1	Belt Idler	90-88	222-298BT	Upper	
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
	1	Camshaft	90-88	CS-1525	L.H.	
	1	Camshaft	90-88	CS-1526	R.H.	
	12	Lifter	90-88	AT-6010 Std Only	Mech.	
	1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.	
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION	
	1	Cam/Lifter Kit	90-88	KC-1525	Mech.; Incl. (12) AT-6010, (1) CS-1525, (1) CS-1526, (1) 55-403B	
	1	Cam/Lifter/Timing Kit	90-88	KCT-1525	Mech.; Incl. (12) AT-6010, (1) CS-1525, (1) CS-1526, (1) 222-154, (1) 55-403B	
	QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
	12	Exhaust	90-88	V-2586 Std Only	Nitrided stem; 1.3780" Head Dia., .3140" Stem Dia., 4.1030" O.A.L.	
	12	Intake	90-88	V-2587X Std Only	1.6540" Head Dia., .3140" Stem Dia., 4.1010" O.A.L.	

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

3.0L 2958cc SOHC V6 (12 Valve), 87.5mm Bore 1990-88 12					
L/D Truck Eng. Code "3VZE" 1988-95 (cont.)					
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	12	Guide	90-88	VG-1416T	Exh. & Int.; .3160" ID, 1.8200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	24	Spring	90-88	VS-1414	1.8640" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	6	Valve Stem Seal	90-88	ST-2074	Exh.; Positive type; Rubber
	6	Valve Stem Seal	90-88	ST-2115	Int.; Positive type; Viton®
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	12	Exh.	90-88	245-1562-72 Std Only	1.5695" OD, 1.1800" ID, .3160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	90-88	VK-241	
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	1	Cast Piston Set	90-88	6-13519P Std-.50-1.00MM	Cast
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-88	E-562KC Std-.50-.75-1.00MM	2-1.50MM, 1-4.00MM
	6	Premium Single Cylinder Set	90-88	WE-562KC Std-.50-.75MM	2-1.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-88	7261M Std-.25-.50-.75MM	
	1	Thrust Washer Set	90-88	3956BF Std Only	Position 2
	1	Rod Set	90-88	6-4385RA Std-.25-.50-.75MM	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90-88	224-41980	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-88	260-1714	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.
	QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-88	381-8097	
K I T S	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.	Re-ring Re-ring w/Mains	205-6365 205-6365M	----- -----
	OVERHAUL KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	90-88	Freeze plugs not incl.; PermaDry® molded rubber valve cover gskts. incl.; Premium valve stem seals incl.; Incl. Mech. lifters	Master w/o Pistons	MK-6221C	-----
3.2L 3168cc OHV Diesel L4 (8 Valve), 98mm Bore 1980-78 13					
L/D Truck Eng. Code "2B" 1978-80					
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Cast Piston	80-78	12393P.75MM .75MM	Canada; Cast; 2-2.50mm, 1-4.50mm Ring Groove, 52.3mm CD, 29.0mm Pin Dia., Recessed Head 2.80mm deep
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Rod Set	80-78	4-1060CP Std-.50-1.00MM	
	1	Cam Set	80-78	1758M Std Only	
3.4L 3431cc OHV Diesel L4 (8 Valve), 102mm Bore 1987-81 14					
L/D Truck Eng. Code "3B" 1981-87					
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-85	7105M Std Only	
	1	Main Set	84	7105M Std Only	From 7/84
	1	Cam Set	84	1758M Std Only	To 6/84
	1	Cam Set	83-81	1758M Std Only	
3.9L 3878cc OHV L6 (12 Valve), 90mm Bore 1974-60 15					
L/D Truck Eng. Code "F" 1967-74					
	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	Camshaft	74-69	CS-803	
	12	Lifter	74-64	AT-6001 Std Only	Mech.
	1	Prelube	74-69	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	74-69	KC-803	Mech.; Incl. (12) AT-6001, (1) CS-803, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	74-60	RP-3270	10.9300" O.A.L.

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

15 3.9L 3878cc OHV L6 (12 Valve), 90mm Bore 1974-60
 (cont.) L/D Truck Eng. Code "F" 1967-74

QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
6	Arm	74-60	R-967	Exh.
1	Rocker Shaft	74-73	RS-662	Int.; From 9/73
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	74-69	V-2257 Std Only	Chrome plated stem; 1.4780" Head Dia., .3142" Stem Dia., 4.9220" O.A.L.
6	Intake	74-69	V-2258 Std Only	Chrome plated stem; 1.8110" Head Dia., .3142" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	74-69	VG-675	Exh.; .3159" ID, 2.3230" O.A.L.
6	Guide	74-69	VG-676	Int.; .3153" ID, 2.1260" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	74-69	VS-789	2.0150" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	74-70	VK-219	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
6	Cast Piston	74-69	12111P Std-.50-.75-1.00MM	Use w/E-389X ring set; Cast; 2-3.00mm, 2-4.00mm Ring Groove, 47.5mm CD, 25.2mm Pin Dia., Flat Head
6	Cast Piston - Individual	74-69	W12111P Std-.50-.75-1.00MM	Use w/WE-389X ring set; Cast; 2-3.00mm, 2-4.00mm Ring Groove, 47.5mm CD, 25.2mm Pin Dia., Flat Head
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	74-73	7145M Std-.25-.50-.75MM	From 9/73
1	Rod Set	74-69	6-67035P Std-.25-.50-.75-1.00MM	
1	Cam Set	74-69	1735M Std Only	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	74-60	381-8043	

16 4.0L 3955cc OHV L6 (12 Valve), 94mm Bore 1990-88
 L/D Truck Eng. Code "3FE" 1988-92

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	90-88	CS-803	
12	Lifter	90-88	AT-6002 Std Only	Mech.
1	Prelube	90-88	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
1	Cam/Lifter Kit	90-88	KC-802	Mech.; Incl. (12) AT-6002, (1) CS-803, (1) 55-403B
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
6	Arm	90-88	R-967	Exh.
6	Arm	90-88	R-968	Int.
1	Rocker Shaft	90-88	RS-664	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
6	Exhaust	90-88	V-2506X Std Only	Chrome plated stem; 1.4750" Head Dia., .3130" Stem Dia., 5.0430" O.A.L.
6	Intake	90-88	V-2258 Std Only	Chrome plated stem; 1.8110" Head Dia., .3142" Stem Dia., 4.9170" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
6	Guide	90-88	VG-675	Exh.; .3159" ID, 2.3230" O.A.L.
6	Guide	90-88	VG-676	Int.; .3153" ID, 2.1260" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
12	Spring	90-88	VS-789	2.0150" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
12	Valve Stem Seal	90-88	ST-2071	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
12	Keeper	90-88	VK-210	Exh.; 2 groove
12	Keeper	90-88	VK-219	Int.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7038M Std-.25-.50-.75MM	
1	Thrust Washer Set	90-88	1503AF Std Only	Position 3
1	Rod Set	90-88	6-1500CP Std-.25-.50-.75MM	
1	Cam Set	90-88	1783M Std Only	

17 4.2L 4230cc OHV L6 (12 Valve), 94mm Bore 1987-75
 L/D Truck Eng. Code "2F" 1975-87

QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
1	Camshaft	87-75	CS-803	
12	Lifter	87-75	AT-6001 Std Only	Mech.

(continued on next page)

Toyota Truck (Includes Minivans and SUV's)

4.2L 4230cc OHV L6 (12 Valve), 94mm Bore 1987-75 17

L/D Truck Eng. Code "2F" 1975-87 (cont.)

VALVE TRAIN	QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
	1	(cont.) Prelube	87-75	55-400	4 oz. bottle; 1.5 oz. packet No. 55-403 also avail.
	QTY	CAM KIT	YEARS	PART NO.	DESCRIPTION
	1	Cam/Lifter Kit	87-75	KC-803	Mech.; Incl. (12) AT-6001, (1) CS-803, (1) 55-403B
	QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
	12	Push Rod	87-75	RP-3270	10.9300" O.A.L.
	QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
	6	Arm	87-81	R-967	Cyls. 1-3-5
	6	Arm	87-81	R-968	Cyls. 2-4-6
	1	Rocker Shaft	87-81	RS-664	
	1	Rocker Shaft	80-75	RS-662	
VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	6	Exhaust	87-75	V-2257 Std Only	Chrome plated stem; 1.4780" Head Dia., .3142" Stem Dia., 4.9220" O.A.L.
	6	Intake	87-75	V-2258 Std Only	Chrome plated stem; 1.8110" Head Dia., .3142" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	6	Guide	87-75	VG-675	Exh.; .3159" ID, 2.3230" O.A.L.
	6	Guide	87-75	VG-676	Int.; .3153" ID, 2.1260" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	12	Spring	87-75	VS-789	2.0150" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	12	Valve Stem Seal	87-81	ST-2071	Positive type; Rubber
BLOCK	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	24	Keeper	87-75	VK-219	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	6	Cast Piston	87-75	12217P.50MM .50-.75-1.00MM	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 47.6mm plus 6.50mm dome" CD, 25.2mm Pin Dia., Domed Head 6.50mm high x 75.00mm dia. - 8.3:1 C.R.
	6	Cast Piston	87-75	12139P Std-.50-.75-1.00MM	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 47.9mm CD, 25.2mm Pin Dia., Flat Head w/0.30mm step rim
	6	Cast Piston - Individual	87-75	W12217P.50MM .50-.75-1.00MM	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 47.6mm plus 6.50mm dome" CD, 25.2mm Pin Dia., Domed Head 6.50mm high x 75.00mm dia. - 8.3:1 C.R.
	6	Cast Piston - Individual	87-75	W12139P Std-.50-.75-1.00MM	Cast; 1-2.00mm, 1-2.50mm, 1-4.00mm Ring Groove, 47.9mm CD, 25.2mm Pin Dia., Flat Head w/0.30mm step rim
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	87-75	E-393KC Std-.50-.75-1.00-1.50MM	1-2.00MM, 1-2.50MM, 1-4.00MM
	1	Standard Set	87-75	E-393X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM
BLOCK	6	Premium Single Cylinder Set	87-75	WE-393KC Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM
	6	Standard Single Cylinder Set	87-75	WE-393X Std-.50-.75-1.00MM	1-2.00MM, 1-2.50MM, 1-4.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	87-86	7038M Std-.25-.50-.75MM	
	1	Main Set	85-84	7038M Std-.25-.50-.75MM	From 10/84
	1	Main Set	84	7145M Std-.25-.50-.75MM	To 9/84
	1	Main Set	83-75	7145M Std-.25-.50-.75MM	
	1	Thrust Washer Set	87-86	1503AF Std Only	Position 3
	1	Thrust Washer Set	85-84	1503AF Std Only	Position 3; From 10/84
	1	Rod Set	87-75	6-67035P Std-.25-.50-.75-1.00MM	
KITS	1	Cam Set	87-86	1783M Std Only	
	1	Cam Set	85-84	1783M Std Only	From 10/84
	1	Cam Set	84	1735M Std Only	To 9/84
	1	Cam Set	83-75	1735M Std Only	
	QTY	GASKETS	YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	80-75	260-1294	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.
	RE-RING KIT				
	YEARS	DESCRIPTION		PREMIUM KIT NO.	ECONOMY KIT NO.
	80-76	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6066	205-1066
	75	PermaDry® molded rubber valve cover gskt. incl.; Premium valve stem seals incl.	Re-ring	205-6066	205-1066

Triumph - See Standard Motors

Volvo

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.8L 1780cc OHV L4 84mm Bore (8 Valve)	1968-61	1	2.3L 2316cc SOHC Turbo L4 96mm Bore (8 Valve)	1990-84	7
2.0L 1986cc OHV L4 89mm Bore (8 Valve)	1975-69	2	2.4L 2383cc SOHC Diesel L6 76.5mm Bore (12 Valve) (VW Eng.)	1985-80	8
2.1L 2127cc SOHC L4 92mm Bore (8 Valve)	1984-76	3	2.4L 2383cc SOHC Turbo-Diesel L6 76.5mm Bore (12 Valve) (VW Eng.)	1986-83	9
2.1L 2127cc SOHC Turbo L4 92mm Bore (8 Valve)	1985-81	4			
2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	1990-81	5			
2.3L 2316cc DOHC L4 96mm Bore (16 Valve)	1990-89	6			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
B18A.....	1.8L 1780cc OHV L4 84mm Bore (8 Valve)	1	B23F.....	2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	5
B18B.....	1.8L 1780cc OHV L4 84mm Bore (8 Valve)	1	B23FT.....	2.3L 2316cc SOHC Turbo L4 96mm Bore (8 Valve)	7
B18D.....	1.8L 1780cc OHV L4 84mm Bore (8 Valve)	1	B230F.....	2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	5
B20A.....	2.0L 1986cc OHV L4 89mm Bore (8 Valve)	2	B230FD.....	2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	5
B20B.....	2.0L 1986cc OHV L4 89mm Bore (8 Valve)	2	B230FS.....	2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	5
B20E.....	2.0L 1986cc OHV L4 89mm Bore (8 Valve)	2	B230FT.....	2.3L 2316cc SOHC Turbo L4 96mm Bore (8 Valve)	7
B20F.....	2.0L 1986cc OHV L4 89mm Bore (8 Valve)	2	B234F.....	2.3L 2316cc DOHC L4 96mm Bore (16 Valve)	6
B21E.....	2.1L 2127cc SOHC L4 92mm Bore (8 Valve)	3	B234FT.....	2.3L 2316cc SOHC Turbo L4 96mm Bore (8 Valve)	7
B21F.....	2.1L 2127cc SOHC L4 92mm Bore (8 Valve)	3	B234T.....	2.3L 2316cc SOHC Turbo L4 96mm Bore (8 Valve)	7
B21FT.....	2.1L 2127cc SOHC Turbo L4 92mm Bore (8 Valve)	4	D24.....	2.4L 2383cc SOHC Diesel L6 76.5mm Bore (12 Valve) (VW Eng.)	8
B23E.....	2.3L 2316cc SOHC L4 96mm Bore (8 Valve)	5	D24T.....	2.4L 2383cc SOHC Turbo-Diesel L6 76.5mm Bore (12 Valve) (VW Eng.)	9

1 1.8L 1780cc OHV L4 (8 Valve), 84mm Bore 1968-61

Eng. Codes "B18A" 1961-68, "B18B" 1961-68, "B18D" 1961-68

QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Spring Insert	68-62	259-101B	.030"; Carton of 100
8	Spring Insert	68-62	259-101A	.060"; Carton of 100
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	68-61	6111M Std Only	

2 2.0L 1986cc OHV L4 (8 Valve), 89mm Bore 1975-69

Eng. Codes "B20A" 1969-74, "B20B" 1969-74, "B20E" 1970-75, "B20F" 1972-75

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	75-69	VG-780	Int.; .3150" ID, 2.0470" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	75-69	VS-855	1.8100" Free Height
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
8	Spring Insert	75-69	259-101B	.030"; Carton of 100
8	Spring Insert	75-69	259-101A	.060"; Carton of 100
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	75-69	6111M Std Only	

3 2.1L 2127cc SOHC L4 (8 Valve), 92mm Bore 1984-76

Eng. Codes "B21E" 1976-84, "B21F" 1976-84

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	84-76	222-32	123 Teeth; Square tooth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	82-76	VG-781	Exh.; .3150" ID, 2.0470" O.A.L.
4	Guide	82-76	VG-780	Int.; .3150" ID, 2.0470" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	82-76	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	84-76	E-497KC Std Only	1-1.75MM, 1-2.00MM, 1-4.00MM
1	Premium Set	78-76	E-392KC Std Only	2-2.00MM, 1-4.00MM

(continued on next page)

2.1L 2127cc SOHC L4 (8 Valve), 92mm Bore 1984-76 3				
Eng. Codes "B21E" 1976-84, "B21F" 1976-84 (cont.)				
QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
1	Standard Set	78-76	E-392X Std Only	2-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-76	6111M Std Only	
1	Rod Set	84-76	4-66620CP Std Only	
2.1L 2127cc SOHC Turbo L4 (8 Valve), 92mm Bore 1985-81 4				
Eng. Code "B21FT" 1981-85				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	85-81	222-32	123 Teeth; Square tooth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	85-81	VG-781	Exh.; .3150" ID, 2.0470" O.A.L.
4	Guide	85-81	VG-780	Int.; .3150" ID, 2.0470" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	85-81	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	85-81	E-497KC Std Only	1-1.75MM, 1-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	85-81	6111M Std Only	
1	Rod Set	85-81	4-66620CP Std Only	
2.3L 2316cc SOHC L4 (8 Valve), 96mm Bore 1990-81 5				
Eng. Codes "B23E" 1981-84, "B23F" 1981-84, "B230F" 1985-95, "B230FD" 1993-95, "B230FS" 1993-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-83	222-32	123 Teeth; Square tooth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90-82	VG-781	Exh.; .3150" ID, 2.0470" O.A.L.
4	Guide	90-82	VG-780	Int.; .3150" ID, 2.0470" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-82	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	85-82	E-498KC Std Only	1-1.75MM, 1-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7247M Std-.25MM	
1	Main Set	87-85	7349M Std Only	Thrust washer set not incl.
1	Main Set	84-81	6111M Std Only	
1	Thrust Washer Set	87-85	4338F Std Only	
1	Rod Set	90-85	4-4335CP Std-.25MM	
1	Rod Set	84-81	4-66620CP Std Only	
2.3L 2316cc DOHC L4 (16 Valve), 96mm Bore 1990-89 6				
Eng. Code "B234F" 1989-91				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-89	7247M Std-.25MM	
1	Rod Set	90-89	4-4335CP Std-.25MM	
2.3L 2316cc SOHC Turbo L4 (8 Valve), 96mm Bore 1990-84 7				
Eng. Codes "B23FT" 1984, "B230FT" 1985-95, "B234FT" 1989-95, "B234T" 1991-95				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-84	222-32	123 Teeth; Square tooth
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	90-84	VG-781	Exh.; .3150" ID, 2.0470" O.A.L.
4	Guide	90-84	VG-780	Int.; .3150" ID, 2.0470" O.A.L.
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-84	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	85-84	E-498KC Std Only	1-1.75MM, 1-2.00MM, 1-4.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-88	7247M Std-.25MM	
1	Main Set	87-84	7349M Std Only	Thrust washer set not incl.
1	Thrust Washer Set	87-84	4338F Std Only	
1	Rod Set	90-84	4-4335CP Std-.25MM	

Volvo

8 2.4L 2383cc SOHC Diesel L6 (12 Valve), 76.5mm Bore (VW Eng.) 1985-80

Eng. Code "D24" 1980-85

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	85-80	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	85-80	245-1312-62 Std Only	1.120" ID top taper; Use w/1.220" head dia.; 1.3195" OD, 1.0650" ID, .2850" Depth
6	Int.	85-80	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	85-80	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	85-80	E-601KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM

9 2.4L 2383cc SOHC Turbo-Diesel L6 (12 Valve), 76.5mm Bore (VW Eng.) 1986-83

Eng. Code "D24T" 1983-86

QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
12	Guide	86-83	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
6	Exh.	86-83	245-1312-62 Std Only	1.120" ID top taper; Use w/1.220" head dia.; 1.3195" OD, 1.0650" ID, .2850" Depth
6	Int.	86-83	245-1500-62 Std Only	1.304" ID top taper; 1.5070" OD, 1.2200" ID, .3100" Depth
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
24	Keeper	86-83	VK-204	3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	86-83	E-601KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM

Volvo Marine

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
5.0L 5012cc (305) OHV V8 3.736" Bore (Chevrolet) (GMC Eng.).....		1	5.7L 5736cc (350) OHV V8 4" Bore (Chevrolet) (GMC Eng.).....		2

Model Index							
Model		Engine Description	Line No.	Model		Engine Description	Line No.
AQ200 (200 HP)...Marine				5.7 Gi (250 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
AQ211 (210 HP)...Marine				5.7 GL (215 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
AQ225 (225 HP)...Marine				500 DP (187 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ231 (229 HP)...Marine				500 DP (190 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ260 (260 HP)...Marine				501 (204 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ271 (270 HP)...Marine				501 (205 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ271 (275 HP)...Marine				501 DP (204 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ290 (290 HP)...Marine				501 DP (205 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1
AQ311 (307 HP)...Marine				570 (245 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
BB225 (225 HP)...Marine				570 DP (245 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
BB231 (229 HP)...Marine				571 (273 HP)...Marine			
Applications.....	5.0L 5012cc (305) OHV V8 3.736"	Bore (Chevrolet) (GMC Eng.).....	1	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
BB260 (260 HP)...Marine				572 (225 HP)...Marine			
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2	Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2
BB261 (260 HP)...Marine							
Applications.....	5.7L 5736cc (350) OHV V8 4" Bore	(Chevrolet) (GMC Eng.).....	2				

5.0L 5012cc (305) OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.) 1				
Marine Applications Models AQ200 (200 HP); AQ211 (210 HP); AQ225 (225 HP); AQ231 (229 HP); BB225 (225 HP); BB231 (229 HP); 500 DP (187 HP); 500 DP (190 HP); 501, 501 DP (204 HP); 501, 501 DP (205 HP)				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	3 Piece Set		KT3-499S	w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
1	Timing Chain		222-499	Use w/.405" tooth width sprocket; 46 Links
1	Crank Sprocket		223-391	Powdered metal; .405" tooth width sprocket; 18 Teeth
1	Cam Sprocket		223-390	.405" tooth width sprocket; 36 Teeth
1	Cam Sprocket		223-390N	Nylon; .405" tooth width sprocket; 36 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
16	Lifter		HT-817 Std Only	Hyd.
16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
16	Push Rod		RP-3212R	Chrome-Moly; 7.7900" O.A.L.
16	Push Rod		RP-3212R100	Chrome-Moly; 7.8900" O.A.L.
16	Push Rod		RP-3212R150	Chrome-Moly; 7.9400" O.A.L.
16	Push Rod		RP-3212R200	Chrome-Moly; 7.9900" O.A.L.
16	Push Rod		RP-3093	7.7940" O.A.L.
16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.
16	Push Rod, Bulk		BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.
16	Push Rod, Bulk		BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION
16	Arm Assy.		R-826	Incl. arm, ball & nut
16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64
16	Arm		R-826A	
16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"
16	Stud		MR-1949	3/8" x 24 x 2.495"

(continued on next page)

Volvo Marine

1 5.0L 5012cc (305) OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.)
(cont.) Marine Applications Models AQ200 (200 HP); AQ211 (210 HP); AQ225 (225 HP); AQ231 (229 HP); BB225 (225 HP); BB231 (229 HP); 500 DP (187 HP); 500 DP (190 HP); 501, 501 DP (204 HP); 501, 501 DP (205 HP)

VALVE TRAIN	QTY	VALVE	YEARS	PART NO.	DESCRIPTION
	8	Exhaust		V-1888X Std-15	AQ200D & AQ225D Engs.; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.
	8	Intake		V-1927 Std-15	Chrome plated stem; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	8	Intake, Bulk		V-1927B Std-15	Chrome plated stem; Carton of 25; 1.7200" Head Dia., .3413" Stem Dia., 4.9170" O.A.L.
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide		VG-5005	Exh.; AQ200D & AQ225D Engs.; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5046	Exh.; BB225A & BB225AV Engs.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk		VG-5005B	Exh.; AQ200D & AQ225D Engs.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring		VS-677	Incl. damper; 2.0300" Free Height
	16	Spring, Bulk		VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; w/.371" stem dia.; Positive type; Rubber
	8	Valve Stem Seal		ST-2001	Exh.; Use w/O.E. guide w/.343" stem dia.; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	8	Valve Stem Seal Bulk		ST-2001BC	Exh.; Use w/O.E. guide w/.371" valve stem; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-115	1 groove; Square cut key groove
	32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	8	Rotocap		RC-157S	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	8	Cast Piston - Individual		W454NP Std-20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Prem. Rings		8K454NP30 30-40-60	Cast; 1-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
	1	Cast Piston Set w/Econ. Rings		8X454NP20 20-30-40-60	Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Recessed Head .110" deep x 3.115" dia. - 8.5:1 C.R.
BLOCK	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-356K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set		E-356KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-356X Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-356K Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-356X Std-20-30-40-60	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set		4663M Std-1-2-10-20-30-40-60	.020" O/S length flange brg.
	1	Main Set		6688M10 10-20-30	A-Series aluminum bearings
	1	Main Set		4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings
	1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.
	1	Main Set		7274MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD
	1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	1	Rod Set		8-2555A10X2 10X2-20X2-30X2-40X2	A-Series aluminum bearings; Use in .002" O/S Rod Bore
	1	Rod Set		8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy
	1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy

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5.0L 5012cc (305) OHV V8 (Chevrolet), 3.736" Bore (GMC Eng.) 1					
Marine Applications Models AQ200 (200 HP); AQ211 (210 HP); AQ225 (225 HP); AQ231 (229 HP); BB225 (225 HP); BB231 (229 HP); 500 DP (187 HP); 500 DP (190 HP); 501, 501 DP (204 HP); 501, 501 DP (205 HP) (cont.)					
BLOCK	QTY	ENGINE BEARINGS (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Rod Set		8-2555CA60 60	Unplated & resizeable
	8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings
	8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy
	8	Rod Pair		2555CA60 60	Unplated & resizeable
	1	Cam Set		1235M Std-1-10	Babbitt material; Full round design
	1	Cam Set		1749M Std Only	Bi-Metal Aluminum
	1	Cam Set		1750M Std Only	2.030" housing bore
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
	1	Oil Pump		224-4146	5/8" inlet
1	Inter. Shaft		224-6146	Use w/nylon shaft guide	
1	Oil Pump Shaft Guide		224-43343	Nylon	
1	Screen Assy.		224-1246	AQ200D & BB225A Engs.; 5/8" inlet tube	
1	Screen Assy.		224-1346	AQ225D & BB225AV Engs.; 5/8" inlet tube	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit		381-8059		
5.7L 5736cc (350) OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 2					
Marine Applications Models AQ260 (260 HP); AQ271 (270 HP); AQ271 (275 HP); AQ290 (290 HP); AQ311 (307 HP); BB260, BB261 (260 HP); 5.7 Gi (250 HP); 5.7 GL (215 HP); 570, 570 DP (245 HP); 571 (273 HP); 572 (225 HP)					
VALVE TRAIN	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	3 Piece Set		KT3-499S	AQ260A & BB260AV Engs.; w/.405" tooth width sprocket; Incl. (1) 222-499, (1) 223-390, (1) 223-391
	1	3 Piece Set		KT3-163S	AQ290A Engs.; Incl. double rlr. type chain; Incl. (1) 222-163, (1) 223-288, (1) 223-289
	1	Timing Chain		222-499	AQ260A & BB260AV Engs.; Use w/.405" tooth width sprocket; 46 Links
	1	Timing Chain		222-163	AQ290A Engs.; Double rlr.; 58 Links
	1	Crank Sprocket		223-391	AQ260A & BB260AV Engs.; Powdered metal; .405" tooth width sprocket; 18 Teeth
	1	Crank Sprocket		223-289	AQ290A Engs.; Double row; 22 Teeth
	1	Cam Sprocket		223-390	AQ260A & BB260AV Engs.; .405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket		223-390N	AQ260A & BB260AV Engs.; Nylon; .405" tooth width sprocket; 36 Teeth
	1	Cam Sprocket		223-288	AQ290A Engs.; Double row; 44 Teeth
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION	
16	Lifter		HT-817 Std Only	Hyd.	
16	Lifter, Bulk		HT-817B Std Only	Hyd.; Carton of 128	
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
16	Push Rod		RP-3212R	Chrome-Moly; 7.7900" O.A.L.	
16	Push Rod		RP-3212R100	Chrome-Moly; 7.8900" O.A.L.	
16	Push Rod		RP-3212R150	Chrome-Moly; 7.9400" O.A.L.	
16	Push Rod		RP-3212R200	Chrome-Moly; 7.9900" O.A.L.	
16	Push Rod		RP-3093	7.7940" O.A.L.	
16	Push Rod, Bulk		BRP-3093	Carton of 100; 7.7940" O.A.L.	
16	Push Rod, Bulk		BRP-3212R	Chrome-Moly; Carton of 100; 7.7900" O.A.L.	
16	Push Rod, Bulk		BRP-3212R100	Chrome-Moly; Carton of 100; 7.8900" O.A.L.	
QTY	ROCKER PARTS	YEARS	PART NO.	DESCRIPTION	
16	Arm Assy.		R-826	Incl. arm, ball & nut	
16	Arm Assy., Bulk		R-826B	Incl. arm, ball & nut; Carton of 64	
16	Arm		R-826A		
16	Stud		MR-1752	.003" O/S, 3/8" x 24 x 2.495"	
16	Stud		MR-1949	3/8" x 24 x 2.495"	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION	
8	Exhaust		V-1888X Std-15	AQ260A & AQ290A Engs.; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3412" Stem Dia., 4.9230" O.A.L.	
8	Exhaust		V-1988X Std-3-15	BB260A & BB260AV Engs.; 1 groove; Chrome plated stem; Stellite face; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.	
8	Exhaust, Bulk		V-1988XB Std-15	BB260A & BB260AV Engs.; 1 groove; Chrome plated stem; Stellite face; Carton of 25; 1.5000" Head Dia., .3718" Stem Dia., 4.9230" O.A.L.	

(continued on next page)

Volvo Marine

2 5.7L 5736cc (350) OHV V8 (Chevrolet), 4" Bore (GMC Eng.)
 (cont.) **Marine Applications** Models AQ260 (260 HP); AQ271 (270 HP); AQ271 (275 HP); AQ290 (290 HP); AQ311 (307 HP); BB260, BB261 (260 HP); 5.7 Gi (250 HP); 5.7 GL (215 HP); 570, 570 DP (245 HP); 571 (273 HP); 572 (225 HP)

V A L V E T R A I N	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide		VG-5005	Exh.; AQ260A & AQ290A Engs.; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5046	Exh.; BB260A & BB260AV Engs.; .502" OD; .3740" ID, 2.2500" O.A.L.
	8	Guide		VG-5005H	Exh.; Hardened; .3430" ID, 2.2500" O.A.L.
	8	Guide		VG-5005T	Exh.; Threaded; .3425" ID, 2.2500" O.A.L.
	8	Guide		VG-5038	Int.; .3430" ID, 2.1200" O.A.L.
	8	Guide, Bulk		VG-5005B	Exh.; AQ260A & AQ290A Engs.; Carton of 50; .3430" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5005TB	Exh.; Threaded; Carton of 50; .3425" ID, 2.2500" O.A.L.
	8	Guide, Bulk		VG-5038B	Int.; Carton of 50; .3430" ID, 2.1200" O.A.L.
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	16	Spring		VS-677	Incl. damper; 2.0300" Free Height
	16	Spring, Bulk		VS-677B	Incl. damper; Carton of 250; 2.0300" Free Height
V A L V E T R A I N	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	16	Valve Stem Seal		MV-1903	Use w/repair guide; Positive type; Rubber
	16	Valve Stem Seal		ST-2001	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Rubber/PTFE
	16	Valve Stem Seal		MV-1233C	O-Ring; Rubber
	16	Valve Stem Seal Bulk		MV-1233	O-Ring; Carton of 100; Rubber
	16	Valve Stem Seal Bulk		ST-2001BC	Use w/O.E. guide; Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE
	QTY	VALVE SEAT	YEARS	PART NO.	DESCRIPTION
	8	Exh.		245-1562-1N Std Only	Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth
	8	Exh.		245-1562-1 Std Only	1.5675" OD, 1.3125" ID, .2160" Depth
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	32	Keeper		VK-115	1 groove; Square cut key groove
	32	Keeper		VK-115R	1 groove; Square cut key groove; Hardened
	32	Keeper, Bulk		VK-115B	1 groove; Square cut key groove; Carton of 1000
	8	Rotocap		RC-157S	Exh.
B L O C K	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	8	Cast Piston		345NP Std-20-30-40-60-80	AQ260A, BB260A, BB260AV Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
	8	Cast Piston		H345NCP Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston		H345NP Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	8	Cast Piston - Individual		W345NP Std-20-30-40-60-80	AQ260A, BB260A, BB260AV Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
	8	Cast Piston - Individual		WH345NCP Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	8	Cast Piston - Individual		WH345NP Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Use in sets only; Hypereutectic; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	1	Cast Piston Set w/Prem. Rings		8KH345NCP30 30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs; DurOshield® skirt coated piston
	1	Cast Piston Set w/Prem. Rings		8KH345NP30 30-40-60	AQ260A, BB260A, BB260AV Engs.; Not O.E. duplicate Wt.; Use in sets only; Cast; 2-5/64", 1-3/16" Ring Groove, 1.560" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs
	1	Cast Piston Set w/Econ. Rings		8X345NP20 20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Cast; 2-5/64", 1-3/16" Ring Groove, 1.540" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs - 8.7:1 C.R.
B L O C K	8	Powerforged		L-2256F Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	8	Forged Piston - Individual		WL-2256F Std-20-30-40-60	AQ260A, BB260A, BB260AV Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9275" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.

(continued on next page)

Volvo Marine

5.7L 5736cc (350) OHV V8 (Chevrolet), 4" Bore (GMC Eng.) 2					
Marine Applications Models AQ260 (260 HP); AQ271 (270 HP); AQ271 (275 HP); AQ290 (290 HP); (cont.) AQ311 (307 HP); BB260, BB261 (260 HP); 5.7 Gi (250 HP); 5.7 GL (215 HP); 570, 570 DP (245 HP); 571 (273 HP); 572 (225 HP)					
BLOCK	QTY	PISTON (cont.)	YEARS	PART NO.	DESCRIPTION
	1	Forged Piston Set w/Rings		8KL2256F30 30-40-60	AQ260A, BB260A, BB260AV Engs.; Powerforged; 2-5/64", 1-3/16" Ring Groove, 1.563" CD, .9272" Pin Dia., Flat Head w/4 valve reliefs. DurOshield® skirt coated piston.
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set		E-251K Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Premium Set		E-251KC Std-10-20-30-40-60	2-5/64, 1-3/16
	1	Standard Set		E-251X Std-10-20-30-40-60-80	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251K Std-20-30-40-60	2-5/64, 1-3/16
	8	Premium Single Cylinder Set		WE-251KC Std-20-30-40-60	2-5/64, 1-3/16
	8	Standard Single Cylinder Set		WE-251X Std-20-30-40-60-80	2-5/64, 1-3/16
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set		4663M Std-1-2-10-20-30-40-60		
1	Main Set		6688M10 10-20-30	.020" O/S length flange brg.	
1	Main Set		4663MA Std-1-2-10-20-30-40-60	A-Series aluminum bearings	
1	Main Set		7329MA10 10-20-30	A-Series aluminum bearings; .010" O/S length flange brg.	
1	Main Set		7274MA10X20 10X20	A-Series aluminum bearings; w/.020" O/S OD	
1	Rod Set		8-2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
1	Rod Set		8-2555CP10X2 10X2-20X2-40X2	Use in .002" O/S Rod Bore; Overplated copper-lead alloy	
1	Rod Set		8-2555CP Std-1-2-10-20-30-40-50	8-2555CA 60 avail. as unplated & resizeable; Overplated copper-lead alloy	
1	Rod Set		8-2555CA60 60	Unplated & resizeable	
8	Rod Pair		2555A Std-1-2-10-20-30-40-50-60	A-Series aluminum bearings	
8	Rod Pair		2555CP Std-1-2-10-20-30-40-50	Overplated copper-lead alloy	
8	Rod Pair		2555CA60 60	Unplated & resizeable	
1	Cam Set		1235M Std-1-10	Babbitt material; Full round design	
1	Cam Set		1749M Std Only	Bi-Metal Aluminum	
1	Cam Set		1750M Std Only	2.030" housing bore	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION	
1	Oil Pump		224-4146	5/8" inlet	
1	Inter. Shaft		224-6146	Use w/nylon shaft guide	
1	Oil Pump Shaft Guide		224-43343	Nylon	
1	Screen Assy.		224-1246	AQ260A & BB260A Engs.; 5/8" inlet tube	
1	Screen Assy.		224-1346	BB260AV Engs.; 5/8" inlet tube	
QTY	GASKETS	YEARS	PART NO.	DESCRIPTION	
1	Kit Gasket Set		260-1517M	Reverse Rotation; One-piece rear main brg. seal, one-piece oil pan gskt. & both rim bolt & center bolt valve cover gskts. incl.	
1	Kit Gasket Set		260-1516M	Standard Rotation; One-piece rear main brg. seal, one-piece oil pan gskt., & both rim bolt & center bolt valve cover gskts. incl.	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit		381-8007		
1	Steel Block Plug Kit		381-4011		
BLOCK					

VW Car

Engine Finding Index					
Engine	For Year	Line No.	Engine	For Year	Line No.
1.2L 1192cc OHV H4 77mm Bore (Air Cooled).....	1965-54	 1	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	1974-71	 10
1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve).....	1980-78	 2	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve).....	1984-81	 11
1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	1975-74	 3	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	1990-83	 12
1.5L 1471cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	1980-77	 4	1.8L 1780cc DOHC L4 81mm Bore (16 Valve).....	1989-86	 13
1.5L 1493cc OHV H4 83mm Bore (Air Cooled).....	1969-67	 5	1.8L 1780cc SOHC L4 81mm Bore (Supercharged).....	1990	 14
1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	1979-66	 6	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	1975-74	 15
1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	1990-81	 7	2.0L 1984cc DOHC L4 82.5mm Bore (16 Valve).....	1990	 16
1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	1990-82	 8	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve) (Audi Eng.).....	1984-83	 17
1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	1980-75	 9	2.2L 2226cc SOHC L5 81mm Bore (10 Valve) (Audi Eng.).....	1988-85	 18

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
ABG.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12	GX.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
ACC.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12	HT.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
AD.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	JF.....	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve).....	11
AE.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	JH.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
AF.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	JK.....	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	7
AG.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	JN.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
AH.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	JT.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve) (Audi Eng.).....	18
AJ.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	KM.....	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve) (Audi Eng.).....	17
AK.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	KX.....	2.2L 2226cc SOHC L5 81mm Bore (10 Valve) (Audi Eng.).....	18
AL.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	MD.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	8
AM.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	ME.....	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	7
AN.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	MF.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	8
AP.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	MZ.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
AS.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	P.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6
AT.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	PF.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
AW.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	PG.....	1.8L 1780cc SOHC L4 81mm Bore (Supercharged).....	14
B.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6	PL.....	1.8L 1780cc DOHC L4 81mm Bore (16 Valve).....	13
CA.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	RD.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
CB.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	RV.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
CD.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	T.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6
CE.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	U.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6
CK.....	1.5L 1471cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	4	UM.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
CR.....	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	7	W.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10
CR.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	8	WE.....	2.1L 2144cc SOHC L5 79.5mm Bore (10 Valve) (Audi Eng.).....	17
CS.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	8	WT.....	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve).....	11
CY.....	1.6L 1588cc SOHC Turbo-Diesel L4 76.5mm Bore (8 Valve).....	8	X.....	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled).....	6
EA.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	XR.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
EB.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10	XS.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
EC.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	XV.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
ED.....	1.8L 1795cc OHV H4 93mm Bore (Air Cooled).....	15	XW.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
EE.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9	XY.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
EH.....	1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve).....	2	XZ.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3
EJ.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9	YG.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9
EN.....	1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve).....	2	YH.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9
EN.....	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve).....	11	YK.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9
FC.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3	Z.....	1.7L 1679cc OHV H4 90mm Bore (Air Cooled).....	10
FG.....	1.5L 1471cc SOHC L4 76.5mm Bore (8 Valve).....	3	1V.....	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve).....	7
FN.....	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve).....	9	2H.....	1.8L 1780cc SOHC L4 81mm Bore (8 Valve).....	12
FX.....	1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve).....	2	9A.....	2.0L 1984cc DOHC L4 82.5mm Bore (16 Valve).....	16

1.2L 1192cc OHV H4 (Air Cooled), 77mm Bore 1965-54					1
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	65-61	VG-651	40 HP; Bronze; .3150" ID, 2.3950" O.A.L.
	8	Guide	65-60	VG-648	40 HP; .3155" ID, 2.6250" O.A.L.
	8	Guide	60	VG-651	36 HP; 40 HP; Bronze; .3150" ID, 2.3950" O.A.L.
8	Guide	59-54	VG-651	36 HP; Bronze; .3150" ID, 2.3950" O.A.L.	
	QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
	8	Spring	65-60	VS-667	40 HP; 2.0500" Free Height
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	65-61	ST-2143	Positive type; PTFE
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	65-60	VK-204	40 HP; 3 groove; w/.3125 Stem Dia.
	8	Spring Insert	65-54	259-105B	.030"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	65-60	2934Y	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	65-60	4213M Std-.25-.50MM	
1	Rod Set	65-60	4-2930CP Std-.25-.50MM		
1	Cam Set	65-60	1713M Std Only	Single flange	
1.5L 1457cc SOHC L4 (8 Valve), 79.5mm Bore 1980-78 Eng. Codes "EH" 1978-80, "EN" 1978, "FX" 1978-80					2
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	80-78	222-17	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	80-78	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80-78	7286M Std-.25MM	
	1	Aux. Shaft Set	80-78	1726M	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	80-78	224-41912		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	80-78	381-8036		
1.5L 1471cc SOHC L4 (8 Valve), 76.5mm Bore 1975-74 Eng. Codes "FC" 1975, "FG" 1975, "XR" 1975, "XS" 1975, "XV" 1974, "XW" 1974, "XY" 1974, "XZ" 1974					3
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	75-74	222-17	
	1	Timing Belt & Tensioner Set	75-74	BTS-17	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	75-74	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.	
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	75-74	ST-2039	Positive type; Rubber
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	75-74	68099YA	
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	75-74	6834M Std-.25MM	w/std. length flange brg.
	1	Aux. Shaft Set	75-74	1726M	
	QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	75-74	224-41912		
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	75-74	381-8036		
1.5L 1471cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1980-77 Eng. Code "CK" 1977-80					4
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	80-77	222-43	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	8	Guide	80-77	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	80-77	ST-2039	Positive type; Rubber
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	80-77	68099YA	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION	
1	Premium Set	80-77	E-493KC Std-.25-.50MM	1-1.75MM, 1-2.00MM, 1-3.00MM	

(continued on next page)

VW Car

4 1.5L 1471cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1980-77 (cont.) Eng. Code "CK" 1977-80				
QTY	RINGS (cont.)	YEARS	PART NO.	DESCRIPTION
4	Premium Single Cylinder Set	80-77	WE-493KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	80-77	6834M Std-.25MM	w/std. length flange brg.
1	Aux. Shaft Set	80-77	1726M	
5 1.5L 1493cc OHV H4 (Air Cooled), 83mm Bore 1969-67				
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
8	Push Rod	69-67	RP-3154R	11.0760" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	69-67	VG-648	.3155" ID, 2.6250" O.A.L.
8	Guide	69-67	VG-651	Bronze; .3150" ID, 2.3950" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	69-67	VS-667	2.0500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	69-67	MV-1903	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	69-67	VK-204	3 groove; w/.3125 Stem Dia.
8	Spring Insert	69-67	259-105B	.030"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	69-67	2934Y	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	69-67	4213M Std-.25-.50MM	
1	Rod Set	69-67	4-2930CP Std-.25-.50MM	
1	Cam Set	69-67	1713M Std Only	Single flange
6 1.6L 1584cc OHV H4 (Air Cooled), 85.5mm Bore 1979-66 Eng. Codes "AD" 1966-74, "AE" 1970-73, "AF" 1972-79, "AG" 1973-74, "AH" 1972-74, "AJ" 1975-80, "AK" 1973-74, "AL" 1973-74, "AM" 1973-74, "AS" 1974-79, "B" 1970, "P" 1966-73, "T" 1966-73, "U" 1968-73, "X" 1972-73				
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION
8	Push Rod	75-66	RP-3154R	11.0760" O.A.L.
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	79-66	VG-13832	.3135" ID, 2.3980" O.A.L.
8	Guide	79-66	VG-648	.3155" ID, 2.6250" O.A.L.
8	Guide	79-66	VG-651	Bronze; .3150" ID, 2.3950" O.A.L.
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION
8	Spring	79-66	VS-667	2.0500" Free Height
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	79-76	ST-2039	Positive type; Rubber
8	Valve Stem Seal	75-66	MV-1903	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	79-66	VK-204	3 groove; w/.3125 Stem Dia.
8	Spring Insert	79-66	259-105B	.030"; Carton of 100
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
1	Pin Bushing	79-66	2934Y	
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	79-66	E-307KC Std Only	2-2.00MM, 1-5.00MM
1	Standard Set	79-66	E-307X Std Only	2-2.00MM, 1-5.00MM
4	Premium Single Cylinder Set	79-66	WE-307KC Std Only	2-2.00MM, 1-5.00MM
4	Standard Single Cylinder Set	79-66	WE-307X Std Only	2-2.00MM, 1-5.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	79-68	4213M Std-.25-.50MM	
1	Rod Set	79-68	4-2930CP Std-.25-.50MM	
1	Cam Set	79-68	1713M Std Only	Single flange
7 1.6L 1588cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1990-81 Eng. Codes "CR" 1981-83, "JK" 1983-84, "ME" 1985-92, "1V" 1991-92				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-81	222-43	
QTY	CAMSHAFT/LIFTER	YEARS	PART NO.	DESCRIPTION
8	Lifter	90-86	HT-2236 Std Only	Hyd. bucket type lifter
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	90-81	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.

(continued on next page)

1.6L 1588cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1990-81 7				
Eng. Codes "CR" 1981-83, "JK" 1983-84, "ME" 1985-92, "1V" 1991-92 (cont.)				
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	90-82	VK-204	3 groove; w/.3125 Stem Dia.
16	Keeper	81	VK-204	From 9/81; 3 groove; w/.3125 Stem Dia.
QTY	RINGS	YEARS	PART NO.	DESCRIPTION
1	Premium Set	87-81	E-493KC Std.-.25-.50MM	1-1.75MM, 1-2.00MM, 1-3.00MM
4	Premium Single Cylinder Set	87-81	WE-493KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	90-81	6834M Std.-.25MM	w/std. length flange brg.
1	Rod Set	90-81	4-68150CP Std Only	
1	Aux. Shaft Set	90-81	1726M	
1.6L 1588cc SOHC Turbo-Diesel L4 (8 Valve), 76.5mm Bore 1990-82 8				
Eng. Codes "CR" 1983-84, "CS" 1983-84, "CY" 1982-84, "MD" 1985, "MF" 1985-92				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	90-82	222-43	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	86-82	6834M Std.-.25MM	w/std. length flange brg.
1	Rod Set	86-82	4-68150CP Std Only	
1	Aux. Shaft Set	86-82	1726M	
1.6L 1588cc SOHC L4 (8 Valve), 79.5mm Bore 1980-75 9				
Eng. Codes "EE" 1976-78, "EJ" 1979-80, "FN" 1975-76, "YG" 1976-80, "YH" 1976-80, "YK" 1976				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	80-75	222-17	
1	Timing Belt & Tensioner Set	80-75	BTS-17	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
8	Guide	80-75	VG-705	Bronze; .3150" ID, 1.4400" O.A.L.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	80-76	68099YA	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	80-76	6834M Std.-.25MM	w/std. length flange brg.
1	Aux. Shaft Set	80-76	1726M	
QTY	OIL PUMP	YEARS	PART NO.	DESCRIPTION
1	Oil Pump	80-79	224-41912	
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION
1	Brass Block Plug Kit	80-75	381-8036	
1.7L 1679cc OHV H4 (Air Cooled), 90mm Bore 1974-71 10				
Eng. Codes "CA" 1972-73, "CB" 1972-73, "CD" 1973, "CE" 1973, "EA" 1972-74, "EB" 1973, "W" 1971-73, "Z" 1971-73				
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	74-71	VG-651	Int.; Bronze; .3150" ID, 2.3950" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	74-71	MV-1903	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	74-71	VK-204	3 groove; w/.3125 Stem Dia.
8	Spring Insert	74-71	259-105B	.030"; Carton of 100
1.7L 1715cc SOHC L4 (8 Valve), 79.5mm Bore 1984-81 11				
Eng. Codes "EN" 1981-84, "JF" 1982-84, "WT" 1982-83				
QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	84-81	222-17	
1	Timing Belt & Tensioner Set	84-81	BTS-17	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
4	Guide	84-81	VG-776	Exh.; .3149" ID, 1.6750" O.A.L.
4	Guide	84-81	VG-705	Int.; Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
8	Valve Stem Seal	84-81	ST-2039	Positive type; Rubber
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
16	Keeper	84-81	VK-204	3 groove; w/.3125 Stem Dia.
QTY	PISTON	YEARS	PART NO.	DESCRIPTION
4	Pin Bushing	84-81	68099YA	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	84-81	6834M Std.-.25MM	w/std. length flange brg.

(continued on next page)

VW Car

11 1.7L 1715cc SOHC L4 (8 Valve), 79.5mm Bore 1984-81

(cont.) Eng. Codes "EN" 1981-84, "JF" 1982-84, "WT" 1982-83

QTY	ENGINE BEARINGS			
	(cont.)	YEARS	PART NO.	DESCRIPTION
1	Aux. Shaft Set	84-81	1726M	
QTY	OIL PUMP			
		YEARS	PART NO.	DESCRIPTION
1	Oil Pump	84-81	224-41912	

12 1.8L 1780cc SOHC L4 (8 Valve), 81mm Bore 1990-83

Eng. Codes "ABG" 1991-93, "ACC" 1993-99, "GX" 1985-87, "HT" 1984-86, "JH" 1983-89, "JN" 1984-90, "MZ" 1985-86, "PF" 1987-92, "RD" 1985-88, "RV" 1988-92, "UM" 1987-90, "2H" 1990-93

QTY	TIMING			
		YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	90-83	222-17
	1	Timing Belt Tensioner	90-83	222-148BT
QTY	VALVE			
		YEARS	PART NO.	DESCRIPTION
	4	Exhaust	90-85	V-4520X Std Only Exc. Eng. Codes "JH" & "RD"; 1.2990" Head Dia., .3127" Stem Dia., 3.5910" O.A.L.
QTY	VALVE GUIDE			
		YEARS	PART NO.	DESCRIPTION
	8	Guide	90-85	VG-776 .3149" ID, 1.6750" O.A.L.
	8	Guide	90-85	VG-705 Bronze; .3150" ID, 1.4400" O.A.L.
QTY	VALVE, MISC			
		YEARS	PART NO.	DESCRIPTION
	16	Keeper	90-83	VK-204 3 groove; w/.3125 Stem Dia.
QTY	PISTON			
		YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	90-83	4469Y
QTY	RINGS			
		YEARS	PART NO.	DESCRIPTION
	1	Premium Set	90-83	E-494K Std Only 1-1.50MM, 1-1.75MM, 1-3.00MM
	1	Premium Set	90-83	E-494KC Std Only 1-1.50MM, 1-1.75MM, 1-3.00MM
QTY	ENGINE BEARINGS			
		YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-89	7286M Std-.25MM
	1	Main Set	88-84	6834M Std-.25MM w/std. length flange brg.
QTY	OIL PUMP			
		YEARS	PART NO.	DESCRIPTION
	1	Oil Pump	90	224-43623 Eng. Codes "2H", "PF" & "RV"
	1	Oil Pump	90-87	224-43624 Eng. Code "UM"
QTY	GASKETS			
		YEARS	PART NO.	DESCRIPTION
	1	Kit Gasket Set	90-83	260-1299 Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.
QTY	FREEZE PLUGS			
		YEARS	PART NO.	DESCRIPTION
	1	Brass Block Plug Kit	90-83	381-8103

KITS	RE-RING KIT				KITS
	YEARS	DESCRIPTION			
	88-84	Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.	Re-ring	PREMIUM KIT NO. 205-6072 ECONOMY KIT NO. ----	
KITS	OVERHAUL KIT				KITS
	YEARS	DESCRIPTION			
	88-86	Timing belt, cam kit, oil pump & freeze plugs not incl.; Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.; w/std. length flange brg.	Master w/o Pistons	PREMIUM KIT NO. MK-6072A ECONOMY KIT NO. ----	
	85-84	Timing belt, cam kit, oil pump & freeze plugs not incl.; Premium valve stem seals incl.; Exh. pipe packing not incl.; 9 bolt water pump gskt. not incl.; w/std. length flange brg.	Master w/o Pistons	MK-6072A ----	

13 1.8L 1780cc DOHC L4 (16 Valve), 81mm Bore 1989-86

Eng. Code "PL" 1986-89

QTY	TIMING			
		YEARS	PART NO.	DESCRIPTION
1	Timing Belt	89-87	222-B133	
1	Timing Belt	86	222-17	

(continued on next page)

1.8L 1780cc DOHC L4 (16 Valve), 81mm Bore 1989-86 13 Eng. Code "PL" 1986-89 (cont.)					
QTY 1	TIMING (cont.) Timing Belt & Tensioner Set	YEARS 89-87	PART NO. BTS-17	DESCRIPTION	
QTY 16	CAMSHAFT/LIFTER Lifter	YEARS 89-86	PART NO. HT-2236 Std Only	DESCRIPTION Hyd. bucket type lifter	
QTY 8	VALVE Intake	YEARS 89-86	PART NO. V-4616 Std Only	DESCRIPTION 1.2600" Head Dia., .2742" Stem Dia., 3.7600" O.A.L.	
QTY 16	VALVE GUIDE Guide	YEARS 89-86	PART NO. VG-1420T	DESCRIPTION Exh. & Int.; .2765" ID, 1.5950" O.A.L.	
QTY 8 8	VALVE SEAT Exh. Int.	YEARS 89-86 89-86	PART NO. 245-1125-54 Std Only 245-1312-64 Std Only	DESCRIPTION 1.1250" OD, .9000" ID, .3250" Depth 1.3190" OD, 1.0450" ID, .3165" Depth	
QTY 1 1 1	ENGINE BEARINGS Main Set Rod Set Aux. Shaft Set	YEARS 88-87 88-87 88-87	PART NO. 6834M Std-.25MM 4-68150CP Std Only 1726M	DESCRIPTION w/std. length flange brg.	
QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 89-87	PART NO. 381-8103	DESCRIPTION	
1.8L 1780cc SOHC L4 (Supercharged), 81mm Bore 1990 14 Eng. Code "PG" 1990-94 (S/C)					
QTY 1 1	TIMING Timing Belt Timing Belt & Tensioner Set	YEARS 90 90	PART NO. 222-17 BTS-17	DESCRIPTION	
QTY 8	VALVE SEAL Valve Stem Seal	YEARS 90	PART NO. ST-2039	DESCRIPTION Exh. & Int.; Positive type; Rubber	
QTY 16	VALVE, MISC Keeper	YEARS 90	PART NO. VK-204	DESCRIPTION 3 groove; w/.3125 Stem Dia.	
BLOCK	QTY 1 4	RINGS Premium Set Premium Single Cylinder Set	YEARS 90 90	PART NO. E-494KC Std Only WE-494KC Std Only	DESCRIPTION 1-1.50MM, 1-1.75MM, 1-3.00MM 1-1.50MM, 1-1.75MM, 1-3.00MM
	QTY 1	ENGINE BEARINGS Rod Set	YEARS 90	PART NO. 4-4465P Std-.25MM	DESCRIPTION w/oil hole
	QTY 1	FREEZE PLUGS Brass Block Plug Kit	YEARS 90	PART NO. 381-8103	DESCRIPTION
	1.8L 1795cc OHV H4 (Air Cooled), 93mm Bore 1975-74 15 Eng. Codes "AN" 1974, "AP" 1974-75, "AT" 1974, "AW" 1974-75, "EC" 1974, "ED" 1974-75				
QTY 4	VALVE GUIDE Guide	YEARS 75-74	PART NO. VG-651	DESCRIPTION Int.; Bronze; .3150" ID, 2.3950" O.A.L.	
QTY 16 8	VALVE, MISC Keeper Spring Insert	YEARS 75-74 75-74	PART NO. VK-204 259-105B	DESCRIPTION 3 groove; w/.3125 Stem Dia. .030"; Carton of 100	
2.0L 1984cc DOHC L4 (16 Valve), 82.5mm Bore 1990 16 Eng. Code "9A" 1990-94					
QTY 1	TIMING Timing Belt	YEARS 90	PART NO. 222-B133	DESCRIPTION	
QTY 16	CAMSHAFT/LIFTER Lifter	YEARS 90	PART NO. HT-2236 Std Only	DESCRIPTION Hyd. bucket type lifter; Hyd. bucket type lifter	
QTY 8 8	VALVE Exhaust Intake	YEARS 90 90	PART NO. V-4619X Std Only V-4616 Std Only	DESCRIPTION From Chassis No. 31P160001; Tapered stem; 1.0630" Head Dia., .2731" Stem Dia., 3.8560" O.A.L. From Chassis No. 31P160001; 1.2600" Head Dia., .2742" Stem Dia., 3.7600" O.A.L.	
QTY 16	VALVE GUIDE Guide	YEARS 90	PART NO. VG-1420T	DESCRIPTION Exh. & Int.; .2765" ID, 1.5950" O.A.L.	
QTY 8 8	VALVE SEAT Exh. Int.	YEARS 90 90	PART NO. 245-1125-54 Std Only 245-1312-64 Std Only	DESCRIPTION 1.1250" OD, .9000" ID, .3250" Depth 1.3190" OD, 1.0450" ID, .3165" Depth	
QTY 4	PISTON Pin Bushing	YEARS 90	PART NO. 4469Y	DESCRIPTION	
QTY 1 1	ENGINE BEARINGS Main Set Rod Set	YEARS 90 90	PART NO. 7286M Std-.25MM 4-4465P Std-.25MM	DESCRIPTION w/oil hole	

VW Car

17 2.1L 2144cc SOHC L5 (10 Valve), 79.5mm Bore (Audi Eng.) 1984-83

Eng. Codes "KM" 1984-85, "WE" 1983-84

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	83	222-B127	
QTY	VALVE	YEARS	PART NO.	DESCRIPTION
5	Exhaust	84	V-4520X Std Only	Eng. Code "KM"; 1.2990" Head Dia., .3127" Stem Dia., 3.5910" O.A.L.
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Rod Set	83	5-68095CP Std Only	
5	Rod Pair	84	68150CP Std Only	

18 2.2L 2226cc SOHC L5 (10 Valve), 81mm Bore (Audi Eng.) 1988-85

Eng. Codes "JT" 1985-88, "KX" 1985-88

QTY	TIMING	YEARS	PART NO.	DESCRIPTION
1	Timing Belt	88-85	222-B127	
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
5	Rod Pair	88-85	68150CP Std Only	

VW Truck

Engine Finding Index

Engine	For Year	Line No.	Engine	For Year	Line No.
1.2L 1192cc OHV H4 77mm Bore (Air Cooled) L/D Truck	1965-59	1	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	1973-72	8
1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	1980	2	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	1983-81	9
1.5L 1471cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	1980	3	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	1975-74	10
1.5L 1493cc OHV H4 83mm Bore (Air Cooled) L/D Truck	1967-63	4	1.9L 1915cc OHV H4 94mm Bore (Water Cooled) L/D Truck	1985-83	11
1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	1971-68	5	2.0L 1970cc OHV H4 94mm Bore (Air Cooled) L/D Truck	1983-76	12
1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	1985-81	6	2.1L 2109cc OHV H4 94mm Bore (Water Cooled) L/D Truck	1990-86	13
1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	1980	7			

Engine Code Index

Engine Code	Engine Description	Line No.	Engine Code	Engine Description	Line No.
AD	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	CR	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	6
AE	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	CS	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	6
AF	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	CV	2.0L 1970cc OHV H4 94mm Bore (Air Cooled) L/D Truck	12
AN	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	10	DH	1.9L 1915cc OHV H4 94mm Bore (Water Cooled) L/D Truck	11
AP	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	10	EA	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	8
AS	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	ED	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	10
AT	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	10	EH	1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	2
AW	1.8L 1795cc OHV H4 93mm Bore (Air Cooled) L/D Truck	10	EJ	1.6L 1588cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	7
B	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	EN	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	9
C	1.6L 1584cc OHV H4 85.5mm Bore (Air Cooled) L/D Truck	5	FX	1.5L 1457cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	2
CA	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	8	GD	2.0L 1970cc OHV H4 94mm Bore (Air Cooled) L/D Truck	12
CB	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	8	GE	2.0L 1970cc OHV H4 94mm Bore (Air Cooled) L/D Truck	12
CD	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	8	JF	1.7L 1715cc SOHC L4 79.5mm Bore (8 Valve) L/D Truck	9
CE	1.7L 1679cc OHV H4 90mm Bore (Air Cooled) L/D Truck	8	JK	1.6L 1588cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	6
CJ	2.0L 1970cc OHV H4 94mm Bore (Air Cooled) L/D Truck	12	MV	2.1L 2109cc OHV H4 94mm Bore (Water Cooled) L/D Truck	13
CK	1.5L 1471cc SOHC Diesel L4 76.5mm Bore (8 Valve) L/D Truck	3			

VW Truck

1.2L 1192cc OHV H4 (Air Cooled), 77mm Bore 1965-59 L/D Truck					1
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
	8 Guide	65-60	VG-648	40 HP; .3155" ID, 2.6250" O.A.L.	
8	Guide	65-59	VG-651	36 HP; 40 HP; Bronze; .3150" ID, 2.3950" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	65-60	VS-667	40 HP; 2.0500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	65-61	ST-2143	Positive type; PTFE	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	65-60	VK-204	40 HP; 3 groove; w/.3125 Stem Dia.	
8	Spring Insert	65-59	259-105B	.030"; Carton of 100	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Pin Bushing	65-61	2934Y		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	65-60	4213M	Std-.25-.50MM	
1	Rod Set	65-60	4-2930CP	Std-.25-.50MM	
1	Cam Set	65-60	1713M	Std Only Single flange	
1.5L 1457cc SOHC L4 (8 Valve), 79.5mm Bore 1980 L/D Truck Eng. Codes "EH" 1980, "FX" 1980					2
QTY	FREEZE PLUGS	YEARS	PART NO.	DESCRIPTION	
1	Brass Block Plug Kit	80	381-8036		
1.5L 1471cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1980 L/D Truck Eng. Code "CK" 1980					3
BLOCK	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	80	68099YA	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	80	E-493KC	Std-.25-.50MM
	4	Premium Single Cylinder Set	80	WE-493KC	Std Only 1-1.75MM, 1-2.00MM, 1-3.00MM 1-1.75MM, 1-2.00MM, 1-3.00MM
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	80	6834M	Std-.25MM	
1	Aux. Shaft Set	80	1726M	w/std. length flange brg.	
1.5L 1493cc OHV H4 (Air Cooled), 83mm Bore 1967-63 L/D Truck					4
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
8	Push Rod	67	RP-3154R	11.0760" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	67	VG-648	.3155" ID, 2.6250" O.A.L.	
8	Guide	67	VG-651	Bronze; .3150" ID, 2.3950" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	67	VS-667	2.0500" Free Height	
QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION	
8	Valve Stem Seal	67	MV-1903	Positive type; Rubber	
QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION	
16	Keeper	67	VK-204	3 groove; w/.3125 Stem Dia.	
8	Spring Insert	67	259-105B	.030"; Carton of 100	
QTY	PISTON	YEARS	PART NO.	DESCRIPTION	
4	Pin Bushing	67-63	2934Y		
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION	
1	Main Set	67-63	4213M	Std-.25-.50MM	
1	Rod Set	67-63	4-2930CP	Std-.25-.50MM	
1	Cam Set	67-63	1713M	Std Only Single flange	
1.6L 1584cc OHV H4 (Air Cooled), 85.5mm Bore 1971-68 L/D Truck Eng. Codes "AD" 1968-74, "AE" 1970-71, "AF" 1971-79, "AS" 1974-79, "B" 1968-70, "C" 1968-70					5
QTY	PUSH ROD	YEARS	PART NO.	DESCRIPTION	
8	Push Rod	71-68	RP-3154R	11.0760" O.A.L.	
QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION	
8	Guide	71-68	VG-648	.3155" ID, 2.6250" O.A.L.	
8	Guide	71-68	VG-651	Bronze; .3150" ID, 2.3950" O.A.L.	
QTY	VALVE SPRING	YEARS	PART NO.	DESCRIPTION	
8	Spring	71-68	VS-667	2.0500" Free Height	

(continued on next page)

VW Truck

5 1.6L 1584cc OHV H4 (Air Cooled), 85.5mm Bore 1971-68 (cont.) L/D Truck Eng. Codes "AD" 1968-74, "AE" 1970-71, "AF" 1971-79, "AS" 1974-79, "B" 1968-70, "C" 1968-70					
BLOCK	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	71-68	MV-1903	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	71-68	VK-204	3 groove; w/.3125 Stem Dia.
	8	Spring Insert	71-68	259-105B	.030"; Carton of 100
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	71-68	2934Y	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	71-68	E-307KC Std Only	2-2.00MM, 1-5.00MM
	1	Standard Set	71-68	E-307X Std Only	2-2.00MM, 1-5.00MM
	4	Premium Single Cylinder Set	71-68	WE-307KC Std Only	2-2.00MM, 1-5.00MM
	4	Standard Single Cylinder Set	71-68	WE-307X Std Only	2-2.00MM, 1-5.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	71-68	4213M Std-.25-.50MM	
	1	Rod Set	71-68	4-2930CP Std-.25-.50MM	
	1	Cam Set	71-68	1713M Std Only	Single flange
6 1.6L 1588cc SOHC Diesel L4 (8 Valve), 76.5mm Bore 1985-81 L/D Truck Eng. Codes "CR" 1981-83, "CS" 1982-85, "JK" 1983					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	85-81	222-43	
	1	Timing Belt & Tensioner Set	85-81	BTS-17	
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	84-81	E-493KC Std-.25-.50MM	1-1.75MM, 1-2.00MM, 1-3.00MM
	4	Premium Single Cylinder Set	84-81	WE-493KC Std Only	1-1.75MM, 1-2.00MM, 1-3.00MM
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	84-81	6834M Std-.25MM	w/std. length flange brg.
	1	Rod Set	84-81	4-68150CP Std Only	
	1	Aux. Shaft Set	84-81	1726M	
7 1.6L 1588cc SOHC L4 (8 Valve), 79.5mm Bore 1980 L/D Truck Eng. Code "EJ" 1980					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	80	222-17	
	1	Timing Belt Tensioner	80	222-148BT	
	1	Timing Belt & Tensioner Set	80	BTS-17	
	QTY	PISTON	YEARS	PART NO.	DESCRIPTION
	4	Pin Bushing	80	68099YA	
	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	80	6834M Std-.25MM	w/std. length flange brg.
	1	Aux. Shaft Set	80	1726M	
	8 1.7L 1679cc OHV H4 (Air Cooled), 90mm Bore 1973-72 L/D Truck Eng. Codes "CA" 1972-73, "CB" 1972-73, "CD" 1973, "CE" 1973, "EA" 1972-73				
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	73-72	VG-651	Int.; Bronze; .3150" ID, 2.3950" O.A.L.
	QTY	VALVE SEAL	YEARS	PART NO.	DESCRIPTION
	8	Valve Stem Seal	73-72	MV-1903	Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.	DESCRIPTION
	16	Keeper	73-72	VK-204	3 groove; w/.3125 Stem Dia.
	8	Spring Insert	73-72	259-105B	.030"; Carton of 100
	QTY	RINGS	YEARS	PART NO.	DESCRIPTION
	1	Premium Set	73-72	E-392KC Std Only	2-2.00MM, 1-4.00MM
	1	Standard Set	73-72	E-392X Std Only	2-2.00MM, 1-4.00MM
9 1.7L 1715cc SOHC L4 (8 Valve), 79.5mm Bore 1983-81 L/D Truck Eng. Codes "EN" 1981-83, "JF" 1982-83					
	QTY	TIMING	YEARS	PART NO.	DESCRIPTION
	1	Timing Belt	83-81	222-17	
	1	Timing Belt & Tensioner Set	83-81	BTS-17	
	QTY	VALVE GUIDE	YEARS	PART NO.	DESCRIPTION
	4	Guide	83-81	VG-776	Exh.; .3149" ID, 1.6750" O.A.L.
	4	Guide	83-81	VG-705	Int.; Bronze; .3150" ID, 1.4400" O.A.L.

(continued on next page)

VW Truck

1.7L 1715cc SOHC L4 (8 Valve), 79.5mm Bore 1983-81 9				
L/D Truck Eng. Codes "EN" 1981-83, "JF" 1982-83 (cont.)				
B L O C K	QTY	VALVE SEAL	YEARS	PART NO.
	8	Valve Stem Seal	83-81	ST-2039
				DESCRIPTION
				Positive type; Rubber
	QTY	VALVE, MISC	YEARS	PART NO.
	16	Keeper	83-81	VK-204
				DESCRIPTION
				3 groove; w/.3125 Stem Dia.
B L O C K	QTY	PISTON	YEARS	PART NO.
	4	Pin Bushing	83-81	68099YA
				DESCRIPTION
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Main Set	83-81	6834M Std-.25MM
	1	Aux. Shaft Set	83-81	1726M
				DESCRIPTION
				w/std. length flange brg.
B L O C K	QTY	OIL PUMP	YEARS	PART NO.
	1	Oil Pump	83-81	224-41912
				DESCRIPTION
1.8L 1795cc OHV H4 (Air Cooled), 93mm Bore 1975-74 10				
L/D Truck Eng. Codes "AN" 1974, "AP" 1974-75, "AT" 1974, "AW" 1974-75, "ED" 1974-75				
B L O C K	QTY	VALVE GUIDE	YEARS	PART NO.
	4	Guide	75-74	VG-651
				DESCRIPTION
				Int.; Bronze; .3150" ID, 2.3950" O.A.L.
	QTY	VALVE, MISC	YEARS	PART NO.
	16	Keeper	75-74	VK-204
	8	Spring Insert	75-74	259-105B
				DESCRIPTION
				3 groove; w/.3125 Stem Dia.
				.030"; Carton of 100
1.9L 1915cc OHV H4 (Water Cooled), 94mm Bore 1985-83 11				
L/D Truck Eng. Code "DH" 1983-85				
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.
	16	Keeper	85-83	VK-204
				DESCRIPTION
				3 groove; w/.3125 Stem Dia.
	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Rod Set	85-83	4-2930CP Std-.25-.50MM
				DESCRIPTION
2.0L 1970cc OHV H4 (Air Cooled), 94mm Bore 1983-76 12				
L/D Truck Eng. Codes "CJ" 1976-79, "CV" 1980-83, "GD" 1976-77, "GE" 1977-79				
B L O C K	QTY	VALVE, MISC	YEARS	PART NO.
	16	Keeper	83-76	VK-204
	8	Spring Insert	83-76	259-105B
				DESCRIPTION
				3 groove; w/.3125 Stem Dia.
				.030"; Carton of 100
2.1L 2109cc OHV H4 (Water Cooled), 94mm Bore 1990-86 13				
L/D Truck Eng. Code "MV" 1986-91				
B L O C K	QTY	VALVE SEAT	YEARS	PART NO.
	4	Exh.	90-86	245-1437-61 Std Only
				DESCRIPTION
				1.4445" OD, 1.1620" ID, .3100" Depth
	QTY	VALVE, MISC	YEARS	PART NO.
	8	Keeper	90-86	VK-204
				DESCRIPTION
				3 groove; w/.3125 Stem Dia.
B L O C K	QTY	ENGINE BEARINGS	YEARS	PART NO.
	1	Rod Set	90-86	4-2930CP Std-.25-.50MM
				DESCRIPTION

Yugo

Engine Finding Index				
Engine	For Year	Line No.	Engine	For Year
1.1L 1116cc SOHC L4 80mm Bore (8 Valve) (Fiat Eng.)	1989-86	1	1.3L 1290cc SOHC L4 86mm Bore (8 Valve) (Fiat Eng.)	1990-87
Engine Code Index				
Engine Code	Engine Description	Line No.	Engine Code	Engine Description
128A	1.1L 1116cc SOHC L4 80mm Bore (8 Valve) (Fiat Eng.)	1	128A1	1.3L 1290cc SOHC L4 86mm Bore (8 Valve) (Fiat Eng.)
1.1L 1116cc SOHC L4 (8 Valve), 80mm Bore (Fiat Eng.) 1989-86 1				
Eng. Code "128A" 1986-89				
QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
1	Main Set	89-86	4659M10 10-20-30	
1	Thrust Washer Set	89-86	60987AF Std Only	Position 3
1	Rod Set	89-86	4-60985RA10 10-20	

Yugo

2 1.3L 1290cc SOHC L4 (8 Valve), 86mm Bore (Fiat Eng.) 1990-87
Eng. Code "128A.064" 1987-92

	QTY	ENGINE BEARINGS	YEARS	PART NO.	DESCRIPTION
	1	Main Set	90-87	4659M10	10-20-30
	1	Thrust Washer Set	90-87	60987AF	Std Only
	1	Rod Set	90-87	4-60985RA10	10-20

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description			
BK-6006			BK-6053 (cont'd.)			BK-6089 (cont'd.)			BK-6115 (cont'd.)					
(1)	1485M	Camshaft Bearing Set	(1)	E-229K	Premium Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set	(4)	489P	Cast Piston			
(1)	260-1227	Gasket Kit	(6)	H695P	Cast Piston	BK-6092	(1) 1496M (1) 260-1315 (1) 7370M (1) E-468K (8) H587CP (1) 8-3860P	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set			
(1)	7047MA	Main Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set									
(1)	E-531K	Premium Piston Ring Set	BK-6067						BK-6117					
(4)	569P	Cast Piston	(1)	1463M	Camshaft Bearing Set				(1)	1838M	Camshaft Bearing Set			
(1)	4-2020CP	Connecting Rod Bearing Set	(1)	260-1241	Gasket Kit				(1)	260-1220	Gasket Kit			
BK-6011			(1)	5085MA	Main Bearing Set	BK-6093	(1) 1496M (1) 260-1619 (1) 7370M (1) E-468K (8) H587CP (1) 8-3860P	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	7245MA	Main Bearing Set			
(1)	260-1460	Gasket Kit	(1)	E-229K	Premium Piston Ring Set				(1)	E-481K	Premium Piston Ring Set			
(1)	7054MA	Main Bearing Set	(6)	H645NCP	Cast Piston				(6)	520P	Cast Piston			
(1)	E-535K	Premium Piston Ring Set	(1)	6-1020A	Connecting Rod Bearing Set				(1)	6-3055CP	Connecting Rod Bearing Set			
(4)	H566P	Cast Piston	BK-6069						BK-6119					
(1)	4-1540A	Connecting Rod Bearing Set	(1)	1757M	Camshaft Bearing Set	BK-6098	(1) 1496M (1) 260-1619 (1) 7370M (1) E-468K (8) H587CP (1) 8-3860P	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set			
BK-6016			(1)	260-1474	Gasket Kit				(1)	260-1222	Gasket Kit			
(1)	1492M	Camshaft Bearing Set	(1)	7256MA	Main Bearing Set				(1)	7011MA	Main Bearing Set			
(1)	260-1232	Gasket Kit	(1)	E-534K	Premium Piston Ring Set				(1)	E-446K	Premium Piston Ring Set			
(1)	7242MA	Main Bearing Set	(8)	573P	Cast Piston				(6)	H497P	Cast Piston			
(1)	E-432K	Premium Piston Ring Set	(1)	8-3870RA	Connecting Rod Bearing Set	BK-6098	(1) 1404M (1) 260-1418 (1) 4400MA (1) E-233K (8) H518CP (1) 8-3190A	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set			
(6)	516P	Cast Piston	BK-6071						BK-6120					
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1757M	Camshaft Bearing Set				(1)	1843M	Camshaft Bearing Set			
BK-6017			(1)	260-1475	Gasket Kit				(1)	260-1556	Gasket Kit			
(1)	1492M	Camshaft Bearing Set	(1)	7256MA	Main Bearing Set	BK-6101	(1) 260-1640 (1) 6685M (1) E-549KC (3) 13509P (1) 3-1140RA	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	7011MA	Main Bearing Set			
(1)	260-1466	Gasket Kit	(1)	E-534K	Premium Piston Ring Set				(1)	E-446K	Premium Piston Ring Set			
(1)	7242MA	Main Bearing Set	(8)	573P	Cast Piston				(6)	H497P	Cast Piston			
(1)	E-605K	Premium Piston Ring Set	(1)	8-3870RA	Connecting Rod Bearing Set				(1)	6-1220RA	Connecting Rod Bearing Set			
(6)	H562CP	Cast Piston	BK-6072						BK-6125					
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	BK-6103	(1) 260-1457 (1) 6680MA (1) E-540KC (4) 12764P (1) 4-1025PA	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set			
BK-6021			(1)	260-1246	Gasket Kit				(1)	260-1210	Gasket Kit			
(1)	1492M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set				(1)	7011MA	Main Bearing Set			
(1)	260-1233	Gasket Kit	(1)	E-356K	Premium Piston Ring Set				(1)	E-446K	Premium Piston Ring Set			
(1)	7242MA	Main Bearing Set	(8)	536NP	Cast Piston				(6)	H497P	Cast Piston			
(1)	E-605K	Premium Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set	BK-6104	(1) 260-1205 (1) 6695MA (1) E-470KC (4) H529P (1) 4-1400AA	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set			
(6)	H561CP	Cast Piston	BK-6078						BK-6134					
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set				(1)	1886M	Camshaft Bearing Set			
BK-6029			(1)	260-1247	Gasket Kit				(1)	260-1442	Gasket Kit			
(1)	1755M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	BK-6110	(1) 260-1205 (1) 6695MA (1) E-470KC (4) H529P (1) 4-1400AA	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set			
(1)	260-1467	Gasket Kit	(1)	E-356K	Premium Piston Ring Set				(1)	E-471K	Premium Piston Ring Set			
(1)	7144MA	Main Bearing Set	(8)	536NP	Cast Piston				(1)	H523CP	Cast Piston			
(1)	E-533K	Premium Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set				(1)	6-3830CPA	Connecting Rod Bearing Set			
(6)	H564P	Cast Piston	BK-6079						BK-6135					
(1)	6-3760A	Connecting Rod Bearing Set	(1)	1466M	Camshaft Bearing Set	BK-6112	(1) 260-1434 (1) 4979M (1) E-442KC (4) H537P (1) 4-3545A	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	1886M	Camshaft Bearing Set			
BK-6040			(1)	260-1477	Gasket Kit				(1)	260-1444	Gasket Kit			
(1)	1755M	Camshaft Bearing Set	(1)	4281M	Main Bearing Set				(1)	7295MA	Main Bearing Set			
(1)	260-1469	Gasket Kit	(1)	E-288K	Premium Piston Ring Set				(1)	E-471K	Premium Piston Ring Set			
(1)	7144MA	Main Bearing Set	(8)	H801CP	Cast Piston				(6)	H523CP	Cast Piston			
(1)	E-532K	Premium Piston Ring Set	(1)	8-3045A	Connecting Rod Bearing Set	BK-6113	(1) 260-1434 (1) 4979M (1) E-352K (4) H435P (1) 4-3545A	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set			
(6)	H558P	Cast Piston	BK-6084						BK-6138					
(1)	6-3760A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set				(1)	1886M	Camshaft Bearing Set			
BK-6050			(1)	260-1269	Gasket Kit				(1)	260-1612	Gasket Kit			
(1)	1463M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	BK-6115	(1) 1494M (1) 260-1437 (1) 5130M (1) E-465K	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	7086MA	Main Bearing Set			
(1)	260-1240	Gasket Kit	(1)	E-251K	Premium Piston Ring Set				(1)	E-471K	Premium Piston Ring Set			
(1)	5085MA	Main Bearing Set	(8)	423NP	Cast Piston				(6)	H675CP	Cast Piston			
(1)	E-229K	Premium Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set				(1)	6-3830CPA	Connecting Rod Bearing Set			
(6)	645P	Cast Piston	BK-6088						BK-6139					
(1)	6-1020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	BK-6117	(1) 260-1434 (1) 4979M (1) E-352K (4) H435P (1) 4-3545A	Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	1844M	Camshaft Bearing Set			
BK-6051			(1)	260-1478	Gasket Kit				(1)	260-1652	Gasket Kit			
(1)	1463M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set				(1)	7245MA	Main Bearing Set			
(1)	260-1240	Gasket Kit	(1)	E-530K	Premium Piston Ring Set				(1)	E-613K	Premium Piston Ring Set			
(1)	5085MA	Main Bearing Set	(8)	H597CP	Cast Piston				(6)	H570P	Cast Piston			
(1)	E-459K	Premium Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set	BK-6125	(1) 1494M (1) 260-1437 (1) 5130M (1) E-465K	Camshaft Bearing Set Gasket Kit Main Bearing Set Premium Piston Ring Set Cast Piston Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set			
(6)	H728P	Cast Piston	BK-6089						BK-6150					
(1)	6-1020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set				(1)	1781M	Camshaft Bearing Set			
BK-6053			(1)	260-1269	Gasket Kit				(1)	260-1420	Gasket Kit			
(1)	1463M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set				(1)	4916M	Main Bearing Set			
(1)	260-1240	Gasket Kit	(1)	E-530K	Premium Piston Ring Set				(1)	E-229K	Premium Piston Ring Set			
(1)	5085MA	Main Bearing Set	(8)	H597CP	Cast Piston				(6)	H519P	Cast Piston			
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)					

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
BK-6150 (cont'd.)			BK-6178			BK-6207			BK-6254		
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1467M	Camshaft Bearing Set	(1)	260-1549	Gasket Kit	(1)	260-1432	Gasket Kit
BK-6154			(1)	260-1673	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	7090M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	5110M	Main Bearing Set	(1)	E-453K	Premium Piston Ring Set	(1)	E-528KC	Premium Piston Ring Set
(1)	260-1559	Gasket Kit	(1)	E-509K	Premium Piston Ring Set	(1)	533P	Cast Piston	(6)	H834CP	Cast Piston
(1)	4125MA	Main Bearing Set	(8)	H651CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	(1)	8-3810CP	Connecting Rod Bearing Set	BK-6208			BK-6275		
(8)	H654P	Cast Piston	BK-6181			(1)	260-1425	Gasket Kit	(1)	260-1734	Gasket Kit
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1560	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	7103M	Main Bearing Set
BK-6155			(1)	7204M	Main Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-556KC	Premium Piston Ring Set
(1)	1204M	Camshaft Bearing Set	(1)	E-552KC	Premium Piston Ring Set	(4)	571CP	Cast Piston	(4)	H828P	Cast Piston
(1)	260-1559	Gasket Kit	(4)	546P	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-1825CP	Connecting Rod Bearing Set
(1)	4125MA	Main Bearing Set	(1)	4-3910RA	Connecting Rod Bearing Set	BK-6209			BK-6276		
(1)	E-458K	Premium Piston Ring Set	BK-6187			(1)	260-1427	Gasket Kit	(1)	260-1733	Gasket Kit
(8)	517CP	Cast Piston	(1)	1244M	Camshaft Bearing Set	(1)	6678MA	Main Bearing Set	(1)	7103M	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1192	Gasket Kit	(1)	E-454K	Premium Piston Ring Set	(1)	E-556KC	Premium Piston Ring Set
BK-6158			(1)	6676M	Main Bearing Set	(4)	571CP	Cast Piston	(4)	H828P	Cast Piston
(1)	1204M	Camshaft Bearing Set	(1)	E-450K	Premium Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-1825CP	Connecting Rod Bearing Set
(1)	260-1445	Gasket Kit	(4)	525CP	Cast Piston	BK-6210			BK-6278		
(1)	4125MA	Main Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	260-1616	Gasket Kit	(1)	1492M	Camshaft Bearing Set
(1)	E-458K	Premium Piston Ring Set	BK-6193			(1)	6678MA	Main Bearing Set	(1)	260-1232	Gasket Kit
(8)	H606P	Cast Piston	(1)	1244M	Camshaft Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	7242MA	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1424	Gasket Kit	(4)	571CP	Cast Piston	(1)	E-432K	Premium Piston Ring Set
BK-6159			(1)	4289M	Main Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(6)	464CP	Cast Piston
(1)	1204M	Camshaft Bearing Set	(1)	E-234K	Premium Piston Ring Set	BK-6218			(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1445	Gasket Kit	(6)	677CP	Cast Piston	(1)	260-1426	Gasket Kit	BK-6279		
(1)	4125MA	Main Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	6678MA	Main Bearing Set	(1)	260-1717	Gasket Kit
(1)	E-458K	Premium Piston Ring Set	BK-6197			(1)	E-453K	Premium Piston Ring Set	(1)	6631M	Main Bearing Set
(8)	506P	Cast Piston	(1)	1244M	Camshaft Bearing Set	(4)	H579P	Cast Piston	(1)	E-616KC	Premium Piston Ring Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1193	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(4)	13015P	Cast Piston
BK-6160			(1)	4289M	Main Bearing Set	BK-6219			(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	E-222K	Premium Piston Ring Set	(1)	260-1549	Gasket Kit	BK-6281		
(1)	260-1720	Gasket Kit	(6)	470AP	Cast Piston	(1)	6678MA	Main Bearing Set	(1)	260-1768	Gasket Kit
(1)	4125MA	Main Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-453K	Premium Piston Ring Set	(1)	7320M	Main Bearing Set
(1)	E-458K	Premium Piston Ring Set	BK-6198			(4)	H579P	Cast Piston	(1)	E-617K	Premium Piston Ring Set
(8)	506P	Cast Piston	(1)	1401M	Camshaft Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(4)	13508P	Cast Piston
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1151	Gasket Kit	BK-6228			(1)	4-4595P	Connecting Rod Bearing Set
BK-6163			(1)	5037M	Main Bearing Set	(1)	1809M	Camshaft Bearing Set	BK-6290		
(1)	1204M	Camshaft Bearing Set	(1)	E-301K	Premium Piston Ring Set	(1)	260-1646	Gasket Kit	(1)	260-1766	Gasket Kit
(1)	260-1720	Gasket Kit	(8)	362NP	Cast Piston	(1)	7278MA	Main Bearing Set	(1)	6692M	Main Bearing Set
(1)	4125MA	Main Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	E-529K	Premium Piston Ring Set	(1)	E-542KC	Premium Piston Ring Set
(1)	E-458K	Premium Piston Ring Set	BK-6199			(6)	574CP	Cast Piston	(4)	636P	Cast Piston
(8)	H606P	Cast Piston	(1)	260-1425	Gasket Kit	(1)	6-1920RA	Connecting Rod Bearing Set	(1)	4-3975P	Connecting Rod Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	6678MA	Main Bearing Set	BK-6233			BK-6296		
BK-6164			(1)	E-454K	Premium Piston Ring Set	(1)	1790M	Camshaft Bearing Set	(1)	260-1704	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(4)	527P	Cast Piston	(1)	260-1429	Gasket Kit	(1)	5103M	Main Bearing Set
(1)	260-1720	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	7050MA	Main Bearing Set	(1)	E-522KC	Premium Piston Ring Set
(1)	4125MA	Main Bearing Set	BK-6200			(1)	E-536K	Premium Piston Ring Set	(4)	13507P	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	260-1616	Gasket Kit	(6)	656P	Cast Piston	(1)	4-3485CP	Connecting Rod Bearing Set
(8)	H654P	Cast Piston	(1)	6678MA	Main Bearing Set	BK-6237			BK-6301		
(1)	8-2600A	Connecting Rod Bearing Set	(4)	E-454K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	260-1839	Gasket Kit
BK-6167			(4)	527P	Cast Piston	(1)	260-1430	Gasket Kit	(1)	7090M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	5095MA	Main Bearing Set	(1)	E-528KC	Premium Piston Ring Set
(1)	260-1446	Gasket Kit	BK-6201			(8)	526P	Cast Piston	(6)	H834CP	Cast Piston
(1)	5078MA	Main Bearing Set	(1)	260-1427	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	(1)	6678MA	Main Bearing Set	BK-6246			BK-6303		
(8)	H653CP	Cast Piston	(1)	E-454K	Premium Piston Ring Set	(1)	260-1527	Gasket Kit	(1)	260-1763	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(4)	527P	Cast Piston	(1)	7216M	Main Bearing Set	(1)	7257M	Main Bearing Set
BK-6173			(4)	4-3800CPA	Connecting Rod Bearing Set	(1)	E-623KC	Premium Piston Ring Set	(1)	E-561KC	Premium Piston Ring Set
(1)	1414M	Camshaft Bearing Set	BK-6206			(6)	2743PN	Cast Piston	(4)	13506P	Cast Piston
(1)	260-1453	Gasket Kit	(1)	260-1426	Gasket Kit	(1)	6-4205CP	Connecting Rod Bearing Set	(1)	4-66780CP	Connecting Rod Bearing Set
(1)	4907M	Main Bearing Set	(1)	6678MA	Main Bearing Set	BK-6312			BK-6312		
(1)	E-296K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set	(1)	260-1784	Gasket Kit	(1)	260-1784	Gasket Kit
(8)	H582CP	Cast Piston	(4)	533P	Cast Piston	(1)	7099M	Main Bearing Set	(1)	7099M	Main Bearing Set
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set				(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
BK-6312 (cont'd.)			BKP-6022			BKP-6078 (cont'd.)			BKP-6110		
(1)	E-558KC	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1448	Gasket Kit
(6)	H832CP	Cast Piston	(1)	260-1233	Gasket Kit	(1)	224-4146	Oil Pump	(1)	7291MA	Main Bearing Set
(1)	6-1845CP	Connecting Rod Bearing Set	(1)	7242MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	E-442KC	Premium Piston Ring Set
BK-6313			(1)	E-605K	Premium Piston Ring Set	BKP-6079			(4)	H537P	Cast Piston
(1)	260-1499	Gasket Kit	(6)	H561CP	Cast Piston	(1)	1466M	Camshaft Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	7116MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1477	Gasket Kit	(1)	224-41127	Oil Pump
(1)	E-511KC	Premium Piston Ring Set	(1)	224-4148	Oil Pump	(1)	4281M	Main Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(4)	12895P	Cast Piston	(1)	381-8085	Brass Expansion Plug Kit	(1)	E-288K	Premium Piston Ring Set	BKP-6112		
(1)	4-1610CP	Connecting Rod Bearing Set	BKP-6050			(8)	H801CP	Cast Piston	(1)	260-1434	Gasket Kit
BK-6314			(1)	1463M	Camshaft Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	4979M	Main Bearing Set
(1)	260-1502	Gasket Kit	(1)	260-1240	Gasket Kit	(1)	224-41203	Oil Pump	(1)	E-442KC	Premium Piston Ring Set
(1)	6622MA	Main Bearing Set	(1)	5085MA	Main Bearing Set	(1)	381-8020	Brass Expansion Plug Kit	(4)	H537P	Cast Piston
(1)	E-523KC	Premium Piston Ring Set	(1)	E-229K	Premium Piston Ring Set	BKP-6084			(1)	224-43405	Oil Pump
(4)	H833CP	Cast Piston	(6)	645P	Cast Piston	(1)	1235M	Camshaft Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	4-3895RA	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set	(1)	260-1269	Gasket Kit	BKP-6113		
BK-6328			(1)	224-4146	Oil Pump	(1)	4663MA	Main Bearing Set	(1)	260-1434	Gasket Kit
(1)	260-1503	Gasket Kit	(1)	381-8058	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	4979M	Main Bearing Set
(1)	7148M	Main Bearing Set	BKP-6051			(8)	423NP	Cast Piston	(1)	E-352K	Premium Piston Ring Set
(1)	E-510KC	Premium Piston Ring Set	(1)	1463M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(4)	H435P	Cast Piston
(4)	12886CP	Cast Piston	(1)	260-1240	Gasket Kit	(1)	224-4146	Oil Pump	(1)	4-3545A	Connecting Rod Bearing Set
(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	5085MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	224-43405	Oil Pump
BKP-6015			(1)	E-459K	Premium Piston Ring Set	BKP-6088			(1)	381-8029	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(6)	H728P	Cast Piston	(1)	1235M	Camshaft Bearing Set	BKP-6115		
(1)	260-1232	Gasket Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	260-1478	Gasket Kit	(1)	1494M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	4663MA	Main Bearing Set	(1)	260-1437	Gasket Kit
(1)	E-432K	Premium Piston Ring Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	E-530K	Premium Piston Ring Set	(1)	5130M	Main Bearing Set
(6)	516P	Cast Piston	BKP-6053			(8)	H597CP	Cast Piston	(1)	E-465K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(4)	489P	Cast Piston
(1)	224-4148	Oil Pump	(1)	260-1240	Gasket Kit	(1)	224-4146	Oil Pump	(1)	4-1035CP	Connecting Rod Bearing Set
(1)	381-8046	Brass Expansion Plug Kit	(1)	5085MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	224-41100	Oil Pump
BKP-6016			(6)	H695P	Cast Piston	BKP-6092			(1)	381-8063	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1496M	Camshaft Bearing Set	BKP-6117		
(1)	260-1232	Gasket Kit	(1)	224-4146	Oil Pump	(1)	260-1315	Gasket Kit	(1)	1838M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	7370M	Main Bearing Set	(1)	260-1220	Gasket Kit
(1)	E-432K	Premium Piston Ring Set	BKP-6067			(1)	E-468K	Premium Piston Ring Set	(1)	7245MA	Main Bearing Set
(6)	516P	Cast Piston	(1)	1463M	Camshaft Bearing Set	(8)	H587CP	Cast Piston	(1)	E-481K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1241	Gasket Kit	(1)	8-3860P	Connecting Rod Bearing Set	(6)	520P	Cast Piston
(1)	224-4152	Oil Pump	(1)	5085MA	Main Bearing Set	(1)	224-43424	Oil Pump	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	381-8046	Brass Expansion Plug Kit	(1)	E-229K	Premium Piston Ring Set	(1)	381-8057	Brass Expansion Plug Kit	(1)	224-43431	Oil Pump
BKP-6017			(6)	H645NCP	Cast Piston	BKP-6093			(1)	381-8064	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1496M	Camshaft Bearing Set	BKP-6119		
(1)	260-1466	Gasket Kit	(1)	224-4146	Oil Pump	(1)	260-1619	Gasket Kit	(1)	1843M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	7370M	Main Bearing Set	(1)	260-1222	Gasket Kit
(1)	E-605K	Premium Piston Ring Set	BKP-6072			(1)	E-468K	Premium Piston Ring Set	(1)	7011MA	Main Bearing Set
(6)	H562CP	Cast Piston	(1)	1235M	Camshaft Bearing Set	(8)	H587CP	Cast Piston	(1)	E-446K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1246	Gasket Kit	(1)	8-3860P	Connecting Rod Bearing Set	(6)	H497P	Cast Piston
(1)	224-4148	Oil Pump	(1)	4663MA	Main Bearing Set	(1)	224-43424	Oil Pump	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	381-8085	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set	(1)	381-8057	Brass Expansion Plug Kit	(1)	224-41101	Oil Pump
BKP-6018			(8)	536NP	Cast Piston	BKP-6098			(1)	381-8072	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set	BKP-6120		
(1)	260-1466	Gasket Kit	(1)	224-4146	Oil Pump	(1)	260-1418	Gasket Kit	(1)	1843M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	4400MA	Main Bearing Set	(1)	260-1556	Gasket Kit
(1)	E-605K	Premium Piston Ring Set	BKP-6074			(1)	E-233K	Premium Piston Ring Set	(1)	7011MA	Main Bearing Set
(6)	H562CP	Cast Piston	(1)	1235M	Camshaft Bearing Set	(8)	H518CP	Cast Piston	(1)	E-446K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1246	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(6)	H497P	Cast Piston
(1)	224-4152	Oil Pump	(1)	4663MA	Main Bearing Set	(1)	224-4153	Oil Pump	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	381-8085	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set	(1)	381-8009	Brass Expansion Plug Kit	(1)	224-43636S	Oil Pump
BKP-6021			(8)	536NP	Cast Piston	BKP-6104			(1)	381-8072	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1205	Gasket Kit	BKP-6125		
(1)	260-1233	Gasket Kit	(1)	224-43469	Oil Pump	(1)	6695MA	Main Bearing Set	(1)	1843M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	E-470KC	Premium Piston Ring Set	(1)	260-1210	Gasket Kit
(1)	E-605K	Premium Piston Ring Set	BKP-6078			(4)	H529P	Cast Piston	(1)	7011MA	Main Bearing Set
(6)	H561CP	Cast Piston	(1)	1235M	Camshaft Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	E-446K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1247	Gasket Kit	(1)	224-41972	Oil Pump	(6)	H497P	Cast Piston
(1)	224-4152	Oil Pump	(1)	4663MA	Main Bearing Set	(1)	381-8062	Brass Expansion Plug Kit	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	381-8085	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set				(1)	224-41101	Oil Pump
			(8)	536NP	Cast Piston				(1)	381-8072	Brass Expansion Plug Kit
			(cont'd. next column)								

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
BKP-6134			BKP-6159 (cont'd.)			BKP-6193			BKP-6210		
(1)	1886M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	260-1616	Gasket Kit
(1)	260-1442	Gasket Kit	(1)	224-41118	Oil Pump	(1)	260-1424	Gasket Kit	(1)	6678MA	Main Bearing Set
(1)	7295MA	Main Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	4289M	Main Bearing Set	(1)	E-454K	Premium Piston Ring Set
(1)	E-471K	Premium Piston Ring Set	BKP-6160			(1)	E-234K	Premium Piston Ring Set	(4)	571CP	Cast Piston
(6)	H523CP	Cast Piston	(1)	1204M	Camshaft Bearing Set	(6)	677CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1720	Gasket Kit	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	224-4168	Oil Pump
(1)	224-43567	Oil Pump	(1)	4125MA	Main Bearing Set	(1)	224-41198	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit
(1)	381-8053	Brass Expansion Plug Kit	(1)	E-458K	Premium Piston Ring Set	BKP-6197			BKP-6218		
BKP-6135			(8)	506P	Cast Piston	(1)	1244M	Camshaft Bearing Set	(1)	260-1426	Gasket Kit
(1)	1886M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1193	Gasket Kit	(1)	6678MA	Main Bearing Set
(1)	260-1444	Gasket Kit	(1)	224-41118	Oil Pump	(1)	4289M	Main Bearing Set	(1)	E-453K	Premium Piston Ring Set
(1)	7295MA	Main Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	E-222K	Premium Piston Ring Set	(4)	H579P	Cast Piston
(1)	E-471K	Premium Piston Ring Set	BKP-6163			(6)	470AP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set
(6)	H523CP	Cast Piston	(1)	1204M	Camshaft Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	224-4168	Oil Pump
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1720	Gasket Kit	(1)	224-41198	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit
(1)	224-43567	Oil Pump	(1)	4125MA	Main Bearing Set	BKP-6199			BKP-6219		
(1)	381-8053	Brass Expansion Plug Kit	(1)	E-458K	Premium Piston Ring Set	(1)	260-1425	Gasket Kit	(1)	260-1549	Gasket Kit
BKP-6138			(8)	H606P	Cast Piston	(1)	6678MA	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	1886M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set
(1)	260-1612	Gasket Kit	(1)	224-41118	Oil Pump	(6)	527P	Cast Piston	(4)	H579P	Cast Piston
(1)	7086MA	Main Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	E-471K	Premium Piston Ring Set	BKP-6164			(1)	224-4168	Oil Pump	(1)	224-4168	Oil Pump
(6)	H675CP	Cast Piston	(1)	1204M	Camshaft Bearing Set	(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1720	Gasket Kit	BKP-6200			BKP-6233		
(1)	224-43567	Oil Pump	(1)	4125MA	Main Bearing Set	(1)	260-1616	Gasket Kit	(1)	1790M	Camshaft Bearing Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	6678MA	Main Bearing Set	(1)	260-1429	Gasket Kit
BKP-6150			(8)	H654P	Cast Piston	(1)	E-454K	Premium Piston Ring Set	(1)	7050MA	Main Bearing Set
(1)	1781M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(4)	527P	Cast Piston	(1)	E-536K	Premium Piston Ring Set
(1)	260-1420	Gasket Kit	(1)	224-41118	Oil Pump	(1)	4-3800CPA	Connecting Rod Bearing Set	(6)	656P	Cast Piston
(1)	4916M	Main Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	224-4168	Oil Pump	(1)	6-1460A	Connecting Rod Bearing Set
(1)	E-229K	Premium Piston Ring Set	BKP-6167			(1)	381-8050	Brass Expansion Plug Kit	(1)	224-4166	Oil Pump
(6)	H519P	Cast Piston	(1)	1204M	Camshaft Bearing Set	BKP-6201			(1)	381-8061	Brass Expansion Plug Kit
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	260-1446	Gasket Kit	(1)	260-1427	Gasket Kit	BKP-6237		
(1)	224-41124	Oil Pump	(1)	5078MA	Main Bearing Set	(1)	6678MA	Main Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	381-8071	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set	(1)	260-1430	Gasket Kit
BKP-6154			(8)	H653CP	Cast Piston	(1)	E-454K	Premium Piston Ring Set	(1)	5095MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(4)	527P	Cast Piston	(1)	E-178K	Premium Piston Ring Set
(1)	260-1559	Gasket Kit	(1)	224-41143	Oil Pump	(1)	4-3800CPA	Connecting Rod Bearing Set	(8)	526P	Cast Piston
(1)	4125MA	Main Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	224-4168	Oil Pump	(1)	6-2130CP	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	BKP-6173			(1)	381-8050	Brass Expansion Plug Kit	(1)	224-4166	Oil Pump
(8)	H654P	Cast Piston	(1)	1414M	Camshaft Bearing Set	BKP-6206			(1)	381-8010	Brass Expansion Plug Kit
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1453	Gasket Kit	(1)	260-1426	Gasket Kit	BKP-6254		
(1)	224-41118	Oil Pump	(1)	4907M	Main Bearing Set	(1)	6678MA	Main Bearing Set	(1)	260-1432	Gasket Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	E-296K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set	(1)	7090M	Main Bearing Set
BKP-6155			(8)	H582CP	Cast Piston	(4)	533P	Cast Piston	(1)	E-528KC	Premium Piston Ring Set
(1)	1204M	Camshaft Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(6)	H834CP	Cast Piston
(1)	260-1559	Gasket Kit	(1)	224-41144	Oil Pump	(1)	224-4168	Oil Pump	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	4125MA	Main Bearing Set	(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	224-42000	Oil Pump
(1)	E-458K	Premium Piston Ring Set	BKP-6178			BKP-6208			(1)	381-8090	Brass Expansion Plug Kit
(8)	517CP	Cast Piston	(1)	1467M	Camshaft Bearing Set	(1)	260-1425	Gasket Kit	BKP-6256		
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1673	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	260-1432	Gasket Kit
(1)	224-41118	Oil Pump	(1)	5110M	Main Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	7090M	Main Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	E-509K	Premium Piston Ring Set	(4)	571CP	Cast Piston	(1)	E-528KC	Premium Piston Ring Set
BKP-6158			(8)	H651CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(6)	H834CP	Cast Piston
(1)	1204M	Camshaft Bearing Set	(1)	8-3810CP	Connecting Rod Bearing Set	(1)	224-4168	Oil Pump	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	260-1445	Gasket Kit	(1)	224-41999	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	224-43653	Oil Pump
(1)	4125MA	Main Bearing Set	(1)	381-8056	Brass Expansion Plug Kit	BKP-6209			(1)	381-8090	Brass Expansion Plug Kit
(1)	E-458K	Premium Piston Ring Set	BKP-6187			(1)	260-1427	Gasket Kit	BKP-6279		
(8)	H606P	Cast Piston	(1)	1244M	Camshaft Bearing Set	(1)	6678MA	Main Bearing Set	(1)	260-1767	Gasket Kit
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1192	Gasket Kit	(1)	E-454K	Premium Piston Ring Set	(1)	6631M	Main Bearing Set
(1)	224-41118	Oil Pump	(1)	6676M	Main Bearing Set	(4)	571CP	Cast Piston	(1)	E-616KC	Premium Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(4)	525CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(4)	13015P	Cast Piston
BKP-6159			(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	224-4168	Oil Pump	(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	224-41198	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	224-43413	Oil Pump
(1)	260-1445	Gasket Kit	(1)	381-8086	Brass Expansion Plug Kit	BKP-6279			(1)	381-8101	Brass Expansion Plug Kit
(1)	4125MA	Main Bearing Set	BKP-6187			BKP-6279			BKP-6279		
(1)	E-458K	Premium Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	260-1427	Gasket Kit	(1)	260-1767	Gasket Kit
(8)	506P	Cast Piston	(1)	260-1192	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	6631M	Main Bearing Set
(cont'd. next column)			(1)	6676M	Main Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-616KC	Premium Piston Ring Set
			(4)	525CP	Cast Piston	(4)	571CP	Cast Piston	(4)	13015P	Cast Piston
			(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3570CPB	Connecting Rod Bearing Set
			(1)	224-41198	Oil Pump	(1)	224-4168	Oil Pump	(1)	224-43413	Oil Pump
			(1)	381-8086	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8101	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
BKP-6281			KS2-2743B (cont'd.)			MK-101E (cont'd.)			MK-101M (cont'd.)		
(1)	260-1768	Gasket Kit	(6)	4205CP	Connecting Rod Bearing Pair	(1)	1445M	Camshaft Bearing Set	(1)	260-1035	Gasket Kit
(1)	7320M	Main Bearing Set	(1)	7216M	Main Bearing Set	(1)	KC-642	Cam & Lifter Kit	(1)	4261M	Main Bearing Set
(1)	E-617K	Premium Piston Ring Set	(1)	260-1527	Gasket Kit	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	1445M	Camshaft Bearing Set
(1)	13508P	Cast Piston				(1)	224-41177	Oil Pump	(1)	KC-643	Cam & Lifter Kit
(1)	4-4595P	Connecting Rod Bearing Set	MK-1002A			(1)	381-8017	Brass Expansion Plug Kit	(1)	KT3-494SA3	Timing Set - 3 Pc.
(1)	224-41996	Oil Pump	(1)	E-458X	Standard Piston Ring Set	MK-101F			(1)	224-41173	Oil Pump
(1)	381-8102	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	381-8017	Brass Expansion Plug Kit
BKP-6290			(1)	260-1169	Gasket Kit	(1)	8-3230CP	Connecting Rod Bearing Set	MK-1010A		
(1)	260-1766	Gasket Kit	(1)	4125MA	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	E-450X	Standard Piston Ring Set
(1)	6692M	Main Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	4261M	Main Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	E-542KC	Premium Piston Ring Set	(1)	KC-668	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	260-1231	Gasket Kit
(4)	636P	Cast Piston	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KC-643	Cam & Lifter Kit	(1)	4123MA	Main Bearing Set
(1)	4-3975P	Connecting Rod Bearing Set	(1)	224-41118	Oil Pump	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	1202M	Camshaft Bearing Set
(1)	224-41995	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	224-41173	Oil Pump	(1)	KC-708A	Cam & Lifter Kit
(1)	381-8100	Brass Expansion Plug Kit	MK-1003A			(1)	381-8017	Brass Expansion Plug Kit	(1)	221-2525S	Timing Gear Set
BKP-6301			(1)	E-296X	Standard Piston Ring Set	MK-101G			(1)	224-4147	Oil Pump
(1)	260-1839	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	7090M	Main Bearing Set	(1)	260-1223	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	MK-1011B		
(1)	E-528KC	Premium Piston Ring Set	(1)	4907M	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	E-432X	Standard Piston Ring Set
(6)	H834CP	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	4020M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	6-1735CP	Connecting Rod Bearing Set	(1)	KC-648	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	260-1232	Gasket Kit
(1)	224-43653	Oil Pump	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KC-169	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set
(1)	381-8090	Brass Expansion Plug Kit	(1)	224-41144	Oil Pump	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set
BKP-6303			(1)	381-8018	Brass Expansion Plug Kit	(1)	224-41173	Oil Pump	(1)	KC-1539	Cam & Lifter Kit
(1)	260-1763	Gasket Kit	MK-1007A			(1)	381-8017	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.
(1)	7257M	Main Bearing Set	(1)	E-384X	Standard Piston Ring Set	MK-101H			(1)	224-4148	Oil Pump
(1)	E-561KC	Premium Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit
(4)	13506P	Cast Piston	(1)	260-1228	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	MK-1011C		
(1)	4-66780CP	Connecting Rod Bearing Set	(1)	6689MA	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	E-432X	Standard Piston Ring Set
(1)	224-43622	Oil Pump	(1)	1461M	Camshaft Bearing Set	(1)	4020M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	381-8094	Brass Expansion Plug Kit	(1)	KC-782	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	260-1232	Gasket Kit
BKP-6312			(1)	221-2542LS	Timing Gear Set	(1)	KC-169	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set
(1)	260-1784	Gasket Kit	(1)	224-41239	Oil Pump	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set
(1)	7099M	Main Bearing Set	(1)	381-8074	Brass Expansion Plug Kit	(1)	224-41177	Oil Pump	(1)	KC-1539	Cam & Lifter Kit
(1)	E-558KC	Premium Piston Ring Set	MK-1008A			(1)	381-8017	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.
(6)	H832CP	Cast Piston	(1)	E-384X	Standard Piston Ring Set	MK-101J			(1)	224-4152	Oil Pump
(1)	6-1845CP	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit
(1)	224-41950	Oil Pump	(1)	260-1229	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	MK-1012E		
(1)	381-8092	Brass Expansion Plug Kit	(1)	6690MA	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	E-478X	Standard Piston Ring Set
BKP-6313			(1)	1756M	Camshaft Bearing Set	(1)	4020M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1499	Gasket Kit	(1)	KC-781	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit
(1)	7116MA	Main Bearing Set	(1)	221-2544S	Timing Gear Set	(1)	KC-443	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set
(1)	E-511KC	Premium Piston Ring Set	(1)	224-41239	Oil Pump	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set
(4)	12895P	Cast Piston	(1)	381-8074	Brass Expansion Plug Kit	(1)	224-41177	Oil Pump	(1)	KC-1539	Cam & Lifter Kit
(1)	4-1610CP	Connecting Rod Bearing Set	MK-1009A			(1)	381-8017	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-41936	Oil Pump	(1)	E-450X	Standard Piston Ring Set	MK-101K			(1)	224-4148	Oil Pump
(1)	381-8096	Brass Expansion Plug Kit	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit
BKP-6314			(1)	260-1230	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	MK-1015D		
(1)	260-1502	Gasket Kit	(1)	4123MA	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	E-369X	Standard Piston Ring Set
(1)	6622MA	Main Bearing Set	(1)	1202M	Camshaft Bearing Set	(1)	4020M	Main Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	E-523KC	Premium Piston Ring Set	(1)	KC-708A	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	260-1236	Gasket Kit
(4)	H833CP	Cast Piston	(1)	221-2525S	Timing Gear Set	(1)	KC-443	Cam & Lifter Kit	(1)	7144MA	Main Bearing Set
(1)	4-3895RA	Connecting Rod Bearing Set	(1)	224-4147	Oil Pump	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	1755M	Camshaft Bearing Set
(1)	224-41948	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-41177	Oil Pump	(1)	KC-813	Cam & Lifter Kit
(1)	381-8091	Brass Expansion Plug Kit	MK-101C			(1)	381-8017	Brass Expansion Plug Kit	(1)	KT3-359SA2	Timing Set - 3 Pc.
BKP-6328			(1)	E-180X	Standard Piston Ring Set	MK-101L			(1)	381-8073	Brass Expansion Plug Kit
(1)	260-1503	Gasket Kit	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	MK-1019A		
(1)	7148M	Main Bearing Set	(1)	260-1035	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	(1)	E-459X	Standard Piston Ring Set
(1)	E-510KC	Premium Piston Ring Set	(1)	4261M	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	6-1020A	Connecting Rod Bearing Set
(4)	12886CP	Cast Piston	(1)	1445M	Camshaft Bearing Set	(1)	4261M	Main Bearing Set	(1)	260-1239	Gasket Kit
(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	KC-643	Cam & Lifter Kit	(1)	1445M	Camshaft Bearing Set	(1)	5085MA	Main Bearing Set
(1)	224-41940	Oil Pump	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KC-443	Cam & Lifter Kit	(1)	1791M	Camshaft Bearing Set
(1)	381-8042	Brass Expansion Plug Kit	(1)	224-41177	Oil Pump	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KC-756	Cam & Lifter Kit
KS2-2743B			(1)	381-8017	Brass Expansion Plug Kit	(1)	224-41177	Oil Pump	(1)	KT3-499S	Timing Set - 3 Pc.
(6)	2743PN	Cast Piston	MK-101E			(1)	381-8017	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump
(6)	E-623KC	Premium Piston Ring Set	(1)	E-180X	Standard Piston Ring Set	MK-101M			(1)	381-8049	Brass Expansion Plug Kit
		(cont'd. next column)	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	MK-102A		
			(1)	260-1035	Gasket Kit	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	E-196X	Standard Piston Ring Set
			(1)	4261M	Main Bearing Set			(cont'd. next column)			(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-102A (cont'd.)			MK-1026E			MK-1036A			MK-105D		
(1)	6-2375CP	Connecting Rod Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set
(1)	260-1004	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	4092M	Main Bearing Set	(1)	260-1246	Gasket Kit	(1)	260-1267	Gasket Kit	(1)	260-1002	Gasket Kit
(1)	1454M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4222M	Main Bearing Set
(1)	KC-380	Cam & Lifter Kit	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set
(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KC-711	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	(1)	KC-261	Cam & Lifter Kit
(1)	224-4165C	Oil Pump	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	381-8012	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-41146	Oil Pump
			(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
MK-1020A			MK-1026G			MK-1037A			MK-105G		
(1)	E-459X	Standard Piston Ring Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	260-1240	Gasket Kit	(1)	260-1246	Gasket Kit	(1)	260-1268	Gasket Kit	(1)	260-1002	Gasket Kit
(1)	5085MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4222M	Main Bearing Set
(1)	1791M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set
(1)	KC-756	Cam & Lifter Kit	(1)	KC-793	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-448	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-41146	Oil Pump
(1)	381-8058	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
MK-1021A			MK-1027A			MK-1037C			MK-106A		
(1)	E-459X	Standard Piston Ring Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set
(1)	260-1241	Gasket Kit	(1)	260-1247	Gasket Kit	(1)	260-1268	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	5085MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1791M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set
(1)	KC-783	Cam & Lifter Kit	(1)	KC-793	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8058	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-1023A			MK-1027C			MK-1038A			MK-106C		
(1)	E-356X	Standard Piston Ring Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set
(1)	260-1244	Gasket Kit	(1)	260-1247	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-766	Cam & Lifter Kit	(1)	KC-808	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-1024C			MK-103A			MK-1038C			MK-106D		
(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(6)	2555A	Connecting Rod Bearing Pair
(1)	260-1243	Gasket Kit	(1)	260-1004	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	5070M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1454M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set
(1)	KC-766	Cam & Lifter Kit	(1)	KC-380	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4165C	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-1024D			MK-103C			MK-1038D			MK-106E		
(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(6)	2555A	Connecting Rod Bearing Pair
(1)	260-1243	Gasket Kit	(1)	260-1004	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	5070M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-711	Cam & Lifter Kit	(1)	KC-380	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-4SR46	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4165C	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-1026A			MK-1033A			MK-104A			MK-107A		
(1)	E-356X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set
(1)	260-1246	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	260-1038	Gasket Kit	(1)	260-1044	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	5070M	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-766	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit	(1)	KC-709	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-4165C	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-107B			MK-1092A			MK-1103A			MK-1111A (cont'd.)		
(1)	E-217X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set	(1)	E-470X	Standard Piston Ring Set	(1)	KT3-365SA1	Timing Set - 3 Pc.
(6)	2555A	Connecting Rod Bearing Pair	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	224-51380	Oil Pump Repair Kit
(1)	260-1044	Gasket Kit	(1)	260-1424	Gasket Kit	(1)	260-1205	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	4124MA	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	6695MA	Main Bearing Set	MK-1111C		
(1)	1557M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	KC-791	Cam & Lifter Kit	(1)	E-471X	Standard Piston Ring Set
(1)	KC-551	Cam & Lifter Kit	(1)	KC-809	Cam & Lifter Kit	(1)	222-67	Timing Belt	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	221-2528S	Timing Gear Set	(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	224-41972	Oil Pump	(1)	260-1441	Gasket Kit
(1)	224-4147	Oil Pump	(1)	224-41198	Oil Pump	MK-1103C			(1)	7295MA	Main Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	MK-1093C			(1)	E-470X	Standard Piston Ring Set	(1)	1886M	Camshaft Bearing Set
MK-108A			(1)	E-454X	Standard Piston Ring Set	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	KC-786	Cam & Lifter Kit
(1)	E-219X	Standard Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1205	Gasket Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	260-1425	Gasket Kit	(1)	6695MA	Main Bearing Set	(1)	224-43567	Oil Pump
(1)	260-1002	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	KC-790	Cam & Lifter Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	4290M	Main Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	222-67	Timing Belt	MK-1112B		
(1)	1439M	Camshaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	224-41972	Oil Pump	(1)	E-471X	Standard Piston Ring Set
(1)	KC-448	Cam & Lifter Kit	(1)	222-153	Timing Belt	MK-1103E			(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(1)	224-4168	Oil Pump	(1)	E-470X	Standard Piston Ring Set	(1)	260-1442	Gasket Kit
(1)	224-41146	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set
(1)	381-8013	Brass Expansion Plug Kit	MK-1097A			(1)	260-1205	Gasket Kit	(1)	1886M	Camshaft Bearing Set
MK-108C			(1)	E-454X	Standard Piston Ring Set	(1)	6695MA	Main Bearing Set	(1)	KC-860	Cam & Lifter Kit
(1)	E-219X	Standard Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	KC-863	Cam & Lifter Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	260-1427	Gasket Kit	(1)	222-67	Timing Belt	(1)	224-51380	Oil Pump Repair Kit
(1)	260-1002	Gasket Kit	(1)	6678MA	Main Bearing Set	(1)	224-41972	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit
(1)	4290M	Main Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	MK-1106A			MK-1112C		
(1)	1439M	Camshaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-465X	Standard Piston Ring Set	(1)	E-471X	Standard Piston Ring Set
(1)	KC-658	Cam & Lifter Kit	(1)	222-132	Timing Belt	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(1)	224-4168	Oil Pump	(1)	260-1436	Gasket Kit	(1)	260-1442	Gasket Kit
(1)	224-41146	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	5130M	Main Bearing Set	(1)	7295MA	Main Bearing Set
(1)	381-8013	Brass Expansion Plug Kit	MK-1098A			(1)	1494M	Camshaft Bearing Set	(1)	1886M	Camshaft Bearing Set
MK-108D			(1)	E-536X	Standard Piston Ring Set	(1)	1494M	Camshaft Bearing Set	(1)	KC-860	Cam & Lifter Kit
(1)	E-219X	Standard Piston Ring Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	KC-788	Cam & Lifter Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	260-1428	Gasket Kit	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	224-43567	Oil Pump
(1)	260-1002	Gasket Kit	(1)	7050MA	Main Bearing Set	(1)	224-41100	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit
(1)	5071M	Main Bearing Set	(1)	1790M	Camshaft Bearing Set	MK-1107A			MK-1113B		
(1)	1439M	Camshaft Bearing Set	(1)	KC-842	Cam & Lifter Kit	(1)	E-465X	Standard Piston Ring Set	(1)	E-471X	Standard Piston Ring Set
(1)	KC-658	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	260-1437	Gasket Kit	(1)	260-1443	Gasket Kit
(1)	224-41146	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	5130M	Main Bearing Set	(1)	7295MA	Main Bearing Set
(1)	381-8013	Brass Expansion Plug Kit	MK-1098C			(1)	1494M	Camshaft Bearing Set	(1)	1886M	Camshaft Bearing Set
MK-1083A			(1)	E-536X	Standard Piston Ring Set	(1)	KC-788	Cam & Lifter Kit	(1)	KC-786	Cam & Lifter Kit
(1)	E-369X	Standard Piston Ring Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6-3755A	Connecting Rod Bearing Set	(1)	260-1428	Gasket Kit	(1)	224-41100	Oil Pump	(1)	224-51380	Oil Pump Repair Kit
(1)	260-1032	Gasket Kit	(1)	7050MA	Main Bearing Set	MK-1108A			(1)	381-8053	Brass Expansion Plug Kit
(1)	7144MA	Main Bearing Set	(1)	1790M	Camshaft Bearing Set	(1)	E-465X	Standard Piston Ring Set	MK-1113C		
(1)	1462M	Camshaft Bearing Set	(1)	KC-829	Cam & Lifter Kit	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	E-471X	Standard Piston Ring Set
(1)	KC-702	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1438	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	5130M	Main Bearing Set	(1)	260-1443	Gasket Kit
(1)	224-518	Oil Pump Repair Kit	(1)	381-8061	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set	(1)	7295MA	Main Bearing Set
(1)	381-8035	Brass Expansion Plug Kit	MK-1099C			(1)	KC-788	Cam & Lifter Kit	(1)	1886M	Camshaft Bearing Set
MK-1086C			(1)	E-536X	Standard Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	KC-786	Cam & Lifter Kit
(1)	E-233X	Standard Piston Ring Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	224-41100	Oil Pump	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1429	Gasket Kit	MK-1110A			(1)	224-43567	Oil Pump
(1)	260-1418	Gasket Kit	(1)	7050MA	Main Bearing Set	(1)	E-446X	Standard Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	4400MA	Main Bearing Set	(1)	1790M	Camshaft Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set	MK-1114B		
(1)	1404M	Camshaft Bearing Set	(1)	KC-1501	Cam & Lifter Kit	(1)	260-1210	Gasket Kit	(1)	E-471X	Standard Piston Ring Set
(1)	KC-774	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	7011MA	Main Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	1843M	Camshaft Bearing Set	(1)	260-1444	Gasket Kit
(1)	224-4154G	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	KC-787	Cam & Lifter Kit	(1)	7295MA	Main Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	MK-1100A			(1)	KT3-374S	Timing Set - 3 Pc.	(1)	1886M	Camshaft Bearing Set
MK-1087A			(1)	E-178X	Standard Piston Ring Set	(1)	224-41101	Oil Pump	(1)	KC-860	Cam & Lifter Kit
(1)	E-229X	Standard Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	381-8072	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	260-1430	Gasket Kit	MK-1111A			(1)	224-51380	Oil Pump Repair Kit
(1)	260-1420	Gasket Kit	(1)	5095MA	Main Bearing Set	(1)	E-471X	Standard Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	4916M	Main Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	MK-1114C		
(1)	1781M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1441	Gasket Kit	(1)	E-471X	Standard Piston Ring Set
(1)	KC-1230	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	7295MA	Main Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	221-2764S	Timing Gear Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	1886M	Camshaft Bearing Set	(1)	260-1444	Gasket Kit
(1)	224-41124	Oil Pump	MK-1111A			(1)	KC-786	Cam & Lifter Kit	(1)	7295MA	Main Bearing Set
(1)	381-8071	Brass Expansion Plug Kit	(1)	E-471X	Standard Piston Ring Set	(1)	KT3-786	Cam & Lifter Kit (cont'd. next column)	(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-1114C (cont'd.)			MK-1121C (cont'd.)			MK-1135A (cont'd.)			MK-114F (cont'd.)		
(1)	1886M	Camshaft Bearing Set	(1)	260-1451	Gasket Kit	(1)	260-1462	Gasket Kit	(1)	4124MA	Main Bearing Set
(1)	KC-860	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	6690MA	Main Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1756M	Camshaft Bearing Set	(1)	KC-633	Cam & Lifter Kit
(1)	224-43567	Oil Pump	(1)	KC-668	Cam & Lifter Kit	(1)	KC-781	Cam & Lifter Kit	(1)	221-2540S	Timing Gear Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	221-2544S	Timing Gear Set	(1)	224-4147	Oil Pump
MK-1115A			(1)	224-41118	Oil Pump	(1)	381-8074	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	E-458X	Standard Piston Ring Set	MK-1123A			MK-1136A			MK-114G		
(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set
(1)	260-1445	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	4125MA	Main Bearing Set	(1)	260-1452	Gasket Kit	(1)	260-1463	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(1)	4907M	Main Bearing Set	(1)	6690MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	KC-760	Cam & Lifter Kit	(1)	1414M	Camshaft Bearing Set	(1)	1756M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KC-648	Cam & Lifter Kit	(1)	KC-781	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit
(1)	224-41118	Oil Pump	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	221-2544S	Timing Gear Set	(1)	221-2540S	Timing Gear Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	224-41144	Oil Pump	(1)	381-8074	Brass Expansion Plug Kit	(1)	224-4147	Oil Pump
MK-1116A			(1)	381-8018	Brass Expansion Plug Kit	MK-1138A			(1)	381-8006	Brass Expansion Plug Kit
(1)	E-251X	Standard Piston Ring Set	MK-1124A			(1)	E-369X	Standard Piston Ring Set	MK-1148A		
(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-288X	Standard Piston Ring Set
(1)	260-1446	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	260-1465	Gasket Kit	(1)	8-3045A	Connecting Rod Bearing Set
(1)	5078MA	Main Bearing Set	(1)	260-1453	Gasket Kit	(1)	7144MA	Main Bearing Set	(1)	260-1477	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(1)	4907M	Main Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	4281M	Main Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	1414M	Camshaft Bearing Set	(1)	KC-813	Cam & Lifter Kit	(1)	1466M	Camshaft Bearing Set
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KC-648	Cam & Lifter Kit	(1)	KT3-359SA2	Timing Set - 3 Pc.	(1)	KC-758	Cam & Lifter Kit
(1)	224-41143	Oil Pump	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	381-8073	Brass Expansion Plug Kit	(1)	KT3-498SA3	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	224-41144	Oil Pump	MK-114A			(1)	224-41203	Oil Pump
MK-112C			(1)	381-8018	Brass Expansion Plug Kit	(1)	E-234X	Standard Piston Ring Set	(1)	381-8020	Brass Expansion Plug Kit
(1)	E-229X	Standard Piston Ring Set	MK-113C			(1)	6-2020CP	Connecting Rod Bearing Set	MK-1148D		
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	E-288X	Standard Piston Ring Set
(1)	260-1006	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set
(1)	4916M	Main Bearing Set	(1)	260-1009	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	260-1477	Gasket Kit
(1)	1450M	Camshaft Bearing Set	(1)	4400MA	Main Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	4281M	Main Bearing Set
(1)	KC-1230	Cam & Lifter Kit	(1)	1404M	Camshaft Bearing Set	(1)	221-2525S	Timing Gear Set	(1)	1466M	Camshaft Bearing Set
(1)	221-2750LS	Timing Gear Set	(1)	KC-660	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	KC-850	Cam & Lifter Kit
(1)	224-41124	Oil Pump	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-498SA3	Timing Set - 3 Pc.
(1)	381-8014	Brass Expansion Plug Kit	(1)	224-4154	Oil Pump	MK-114C			(1)	224-41203	Oil Pump
MK-112E			(1)	381-8009	Brass Expansion Plug Kit	(1)	E-234X	Standard Piston Ring Set	(1)	381-8020	Brass Expansion Plug Kit
(1)	E-229X	Standard Piston Ring Set	MK-113E			(1)	6-2020CP	Connecting Rod Bearing Set	MK-1149C		
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	E-251X	Standard Piston Ring Set
(1)	260-1006	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	4916M	Main Bearing Set	(1)	260-1009	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	260-1479	Gasket Kit
(1)	1450M	Camshaft Bearing Set	(1)	4400MA	Main Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	4663MA	Main Bearing Set
(1)	KC-1230	Cam & Lifter Kit	(1)	1404M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set	(1)	1235M	Camshaft Bearing Set
(1)	221-2764S	Timing Gear Set	(1)	KC-774	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	KC-766	Cam & Lifter Kit
(1)	224-41124	Oil Pump	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	381-8014	Brass Expansion Plug Kit	(1)	224-4154	Oil Pump	MK-114D			(1)	224-4146	Oil Pump
MK-1120A			(1)	381-8009	Brass Expansion Plug Kit	(1)	E-234X	Standard Piston Ring Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	E-446X	Standard Piston Ring Set	MK-113E			(1)	6-2020CP	Connecting Rod Bearing Set	MK-115A		
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	E-234X	Standard Piston Ring Set
(1)	260-1222	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	7011MA	Main Bearing Set	(1)	260-1009	Gasket Kit	(1)	1203M	Camshaft Bearing Set	(1)	260-1019	Gasket Kit
(1)	1843M	Camshaft Bearing Set	(1)	7047MA	Main Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set
(1)	KC-787	Cam & Lifter Kit	(1)	1485M	Camshaft Bearing Set	(1)	221-2525S	Timing Gear Set	(1)	1557M	Camshaft Bearing Set
(1)	KT3-374S	Timing Set - 3 Pc.	(1)	KC-811	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	KC-677	Cam & Lifter Kit
(1)	224-41101	Oil Pump	(1)	KT3-370S	Timing Set - 3 Pc.	(1)	381-8006	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set
(1)	381-8072	Brass Expansion Plug Kit	(1)	224-4151	Oil Pump	MK-114E			(1)	224-4147	Oil Pump
MK-1121A			MK-1131A			(1)	E-234X	Standard Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	E-458X	Standard Piston Ring Set	(1)	E-531X	Standard Piston Ring Set	(1)	6-2020CP	Connecting Rod Bearing Set	MK-115E		
(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	260-1005	Gasket Kit	(1)	E-234X	Standard Piston Ring Set
(1)	260-1451	Gasket Kit	(1)	260-1227	Gasket Kit	(1)	4124MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	4125MA	Main Bearing Set	(1)	7047MA	Main Bearing Set	(1)	1203M	Camshaft Bearing Set	(1)	260-1019	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(1)	1485M	Camshaft Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set
(1)	KC-668	Cam & Lifter Kit	(1)	KC-811	Cam & Lifter Kit	(1)	221-2525S	Timing Gear Set	(1)	1557M	Camshaft Bearing Set
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-370S	Timing Set - 3 Pc.	(1)	224-4147	Oil Pump	(1)	KC-633	Cam & Lifter Kit
(1)	224-41118	Oil Pump	(1)	224-4151	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set
(1)	381-8015	Brass Expansion Plug Kit	MK-1134A			MK-114F			(1)	224-4147	Oil Pump
MK-1121C			(1)	E-384X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	E-458X	Standard Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	MK-1151A		
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1464	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	E-377X	Standard Piston Ring Set
(cont'd. next column)			(1)	6689MA	Main Bearing Set	(cont'd. next column)			(cont'd. next page)		
			(1)	1461M	Camshaft Bearing Set						
			(1)	KC-782	Cam & Lifter Kit						
			(1)	221-2542LS	Timing Gear Set						
			(1)	381-8074	Brass Expansion Plug Kit						
			MK-1135A			MK-114F					
			(1)	E-384X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set			
			(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set			
			(cont'd. next column)								

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-1151A (cont'd.)			MK-117A			MK-1186A (cont'd.)			MK-120B (cont'd.)		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-240X	Standard Piston Ring Set	(1)	4979M	Main Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1478	Gasket Kit	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	1443M	Camshaft Bearing Set	(1)	260-1000	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	260-1010	Gasket Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	5037M	Main Bearing Set	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	1235M	Camshaft Bearing Set
(1)	KC-808	Cam & Lifter Kit	(1)	1401M	Camshaft Bearing Set	(1)	222-14	Timing Belt	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KC-646	Cam & Lifter Kit	(1)	224-41160	Oil Pump	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-4146A	Oil Pump	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	381-8029	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	224-51285	Oil Pump Repair Kit	MK-119A			(1)	381-8007	Brass Expansion Plug Kit
MK-1153A			MK-117C						(1)	E-245X	Standard Piston Ring Set
						(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-454X	Standard Piston Ring Set
(1)	E-377X	Standard Piston Ring Set	(1)	E-240X	Standard Piston Ring Set	(1)	260-1000	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set	(1)	260-1616	Gasket Kit
(1)	260-1268	Gasket Kit	(1)	260-1010	Gasket Kit	(1)	1145M	Camshaft Bearing Set	(1)	6678MA	Main Bearing Set
(1)	4663MA	Main Bearing Set	(1)	5037M	Main Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1401M	Camshaft Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KC-785	Cam & Lifter Kit
(1)	KC-766	Cam & Lifter Kit	(1)	KC-646	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	222-153	Timing Belt
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-4168	Oil Pump
(1)	224-4146A	Oil Pump	(1)	224-51285	Oil Pump Repair Kit	MK-119C			MK-121D		
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8001	Brass Expansion Plug Kit						
MK-1155A			MK-1182A			(1)	8-2020CP	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	E-384X	Standard Piston Ring Set	(1)	E-510X	Standard Piston Ring Set	(1)	260-1000	Gasket Kit	(1)	260-1025	Gasket Kit
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set	(1)	4040M	Main Bearing Set
(1)	260-1482	Gasket Kit	(1)	260-1503	Gasket Kit	(1)	1145M	Camshaft Bearing Set	(1)	1220M	Camshaft Bearing Set
(1)	6689MA	Main Bearing Set	(1)	7148M	Main Bearing Set	(1)	KC-273	Cam & Lifter Kit	(1)	KC-641	Cam & Lifter Kit
(1)	1461M	Camshaft Bearing Set	(1)	67333AF	Thrust Washer Set	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KT3-350S	Timing Set - 3 Pc.
(1)	KC-782	Cam & Lifter Kit	(1)	CS-719	Camshaft	(1)	224-4146	Oil Pump	(1)	224-43364S	Oil Pump
(1)	221-2542LS	Timing Gear Set	(1)	KT-1028S	Timing Set - Complete	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8021	Brass Expansion Plug Kit
(1)	224-41239	Oil Pump	(1)	224-41940	Oil Pump	MK-119D			MK-121E		
(1)	381-8074	Brass Expansion Plug Kit	(1)	381-8042	Brass Expansion Plug Kit						
MK-1156A			MK-1183D			(1)	8-2020CP	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	E-377X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set	(1)	260-1000	Gasket Kit	(1)	260-1025	Gasket Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set	(1)	4040M	Main Bearing Set
(1)	260-1269	Gasket Kit	(1)	260-1233	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	1220M	Camshaft Bearing Set
(1)	4663MA	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	KC-690C	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KT3-350S	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	224-43364S	Oil Pump
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8021	Brass Expansion Plug Kit
(1)	224-4146	Oil Pump	(1)	224-4148	Oil Pump	MK-119E			MK-1212A		
(1)	381-8059	Brass Expansion Plug Kit	MK-1184A								
MK-1156C						(1)	E-605X	Standard Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	E-377X	Standard Piston Ring Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1466	Gasket Kit	(1)	994M	Main Bearing Set	(1)	260-1556	Gasket Kit
(1)	260-1269	Gasket Kit	(1)	7242MA	Main Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	7011MA	Main Bearing Set
(1)	4663MA	Main Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	1843M	Camshaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	KC-715	Cam & Lifter Kit	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KC-787	Cam & Lifter Kit
(1)	KC-274	Cam & Lifter Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	224-4149	Oil Pump	(1)	KT3-374S	Timing Set - 3 Pc.
(1)	KT3-4SR46	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8072	Brass Expansion Plug Kit
(1)	224-4146	Oil Pump	MK-1184B			MK-119F			MK-1215A		
(1)	381-8059	Brass Expansion Plug Kit									
MK-1156D			(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-458X	Standard Piston Ring Set
(1)	E-377X	Standard Piston Ring Set	(1)	260-1466	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	7242MA	Main Bearing Set	(1)	994M	Main Bearing Set	(1)	260-1559	Gasket Kit
(1)	260-1269	Gasket Kit	(1)	1492M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	4125MA	Main Bearing Set
(1)	4663MA	Main Bearing Set	(1)	KC-715	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-668	Cam & Lifter Kit
(1)	KC-274	Cam & Lifter Kit	(1)	224-4152	Oil Pump	(1)	224-4146	Oil Pump	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	KT3-163S	Timing Set - 3 Pc.	(1)	381-8085	Brass Expansion Plug Kit	MK-119G			(1)	224-41118	Oil Pump
(1)	224-4146	Oil Pump	MK-1184C						(1)	E-245X	Standard Piston Ring Set
(1)	381-8059	Brass Expansion Plug Kit				(1)	E-605X	Standard Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set
MK-116A			(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit	(1)	E-384X	Standard Piston Ring Set
(1)	E-234X	Standard Piston Ring Set	(1)	260-1466	Gasket Kit	(1)	994M	Main Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	7242MA	Main Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	260-1563	Gasket Kit
(1)	260-1037	Gasket Kit	(1)	1492M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	6689MA	Main Bearing Set
(1)	4124MA	Main Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1461M	Camshaft Bearing Set
(1)	1557M	Camshaft Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-4149	Oil Pump	(1)	381-8074	Brass Expansion Plug Kit
(1)	KC-677	Cam & Lifter Kit	MK-1186A			(1)	381-8007	Brass Expansion Plug Kit	MK-122C		
(1)	221-2540S	Timing Gear Set				(1)	E-476X	Standard Piston Ring Set			
(1)	224-4147	Oil Pump	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-245X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1526	Gasket Kit (cont'd. next column)	(cont'd. next column)			(1)	8-2130CP	Connecting Rod Bearing Set
									(1)	260-1033	Gasket Kit
									(1)	4999MA	Main Bearing Set (cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-122C (cont'd.)			MK-125C (cont'd.)			MK-127C (cont'd.)		
(1)	1484M	Camshaft Bearing Set	(1)	260-1028	Gasket Kit	(1)	260-1126	Gasket Kit
(1)	KC-665	Cam & Lifter Kit	(1)	5107M	Main Bearing Set	(1)	5078MA	Main Bearing Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-674	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.
MK-124C			(1)	224-41143	Oil Pump	(1)	224-41143	Oil Pump
			(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
			MK-1251A			MK-127D		
			(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
			(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit	(1)	260-1126	Gasket Kit
(1)	4925M	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	5078MA	Main Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	KC-764	Cam & Lifter Kit
(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	(1)	224-41143	Oil Pump
(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
MK-124D			MK-1251C			MK-130C		
(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	4925M	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
MK-124G			MK-1253A			MK-130F		
(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1014	Gasket Kit	(1)	260-1559	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
MK-124J			MK-1263A			MK-132A		
(1)	E-251X	Standard Piston Ring Set	(1)	E-613X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	260-1014	Gasket Kit	(1)	260-1652	Gasket Kit	(1)	260-1001	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	7245MA	Main Bearing Set	(1)	4924MA	Main Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	1844M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set
(1)	KC-667	Cam & Lifter Kit	(1)	KC-1511	Cam & Lifter Kit	(1)	KC-327A	Cam & Lifter Kit
(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-64S	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.
(1)	224-41166	Oil Pump	(1)	224-43431	Oil Pump	(1)	224-4174	Oil Pump
(1)	381-8016	Brass Expansion Plug Kit	(1)			(1)	381-8011	Brass Expansion Plug Kit
MK-124M			MK-1264A			MK-132E		
(1)	E-251X	Standard Piston Ring Set	(1)	E-613X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	260-1014	Gasket Kit	(1)	260-1652	Gasket Kit	(1)	260-1001	Gasket Kit
(1)	5107M	Main Bearing Set	(1)	7245MA	Main Bearing Set	(1)	5025MA	Main Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	1844M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set
(1)	KC-667	Cam & Lifter Kit	(1)	KC-1510	Cam & Lifter Kit	(1)	KC-327	Cam & Lifter Kit
(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-64S	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.
(1)	224-41166	Oil Pump	(1)	224-43431	Oil Pump	(1)	224-4174	Oil Pump
(1)	381-8016	Brass Expansion Plug Kit				(1)	381-8011	Brass Expansion Plug Kit
MK-125A			MK-127A			MK-132F		
(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	260-1028	Gasket Kit	(1)	260-1126	Gasket Kit	(1)	260-1001	Gasket Kit
(1)	5107M	Main Bearing Set	(1)	5107M	Main Bearing Set	(1)	4924MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit	(1)	KC-661	Cam & Lifter Kit
(1)	KT3-358S	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-168S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	224-41143	Oil Pump	(1)	224-4174	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit
MK-125C			MK-127C			MK-132G		
(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set			
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-137E			MK-140E			MK-148A (cont'd.)			MK-160A (cont'd.)		
(1)	E-296X	Standard Piston Ring Set	(1)	E-299X	Standard Piston Ring Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	KT3-501SA	Timing Set - 3 Pc.
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set	MK-153D			(1)	224-4154	Oil Pump
(1)	260-1013	Gasket Kit	(1)	260-1025	Gasket Kit	(1)	E-251X	Standard Piston Ring Set	(1)	381-8009	Brass Expansion Plug Kit
(1)	4907M	Main Bearing Set	(1)	4040M	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	MK-161A		
(1)	1414M	Camshaft Bearing Set	(1)	1220M	Camshaft Bearing Set	(1)	260-1125	Gasket Kit	(1)	E-243X	Standard Piston Ring Set
(1)	KC-648	Cam & Lifter Kit	(1)	KC-690C	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-350S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	260-1009	Gasket Kit
(1)	224-41139	Oil Pump	(1)	224-43364S	Oil Pump	(1)	KC-560	Cam & Lifter Kit	(1)	4400MA	Main Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8021	Brass Expansion Plug Kit	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	1404M	Camshaft Bearing Set
MK-137F			MK-142A			(1)	224-41118	Oil Pump	(1)	KC-774	Cam & Lifter Kit
(1)	E-296X	Standard Piston Ring Set	(1)	E-318X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-501SA	Timing Set - 3 Pc.
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	MK-153F			(1)	224-4154	Oil Pump
(1)	260-1013	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	E-251X	Standard Piston Ring Set	(1)	381-8009	Brass Expansion Plug Kit
(1)	4907M	Main Bearing Set	(1)	4094M	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	MK-162A		
(1)	1414M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	260-1125	Gasket Kit	(1)	E-251X	Standard Piston Ring Set
(1)	KC-648	Cam & Lifter Kit	(1)	KC-327	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	260-1000	Gasket Kit
(1)	224-41144	Oil Pump	(1)	224-4174	Oil Pump	(1)	KC-560	Cam & Lifter Kit	(1)	994M	Main Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	1145M	Camshaft Bearing Set
MK-1373A			MK-142D			(1)	224-41118	Oil Pump	(1)	KC-274	Cam & Lifter Kit
(1)	E-384X	Standard Piston Ring Set	(1)	E-318X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	4-2500RAA	Connecting Rod Bearing Set	(8)	2320CP	Connecting Rod Bearing Pair	MK-153H			(1)	224-4146	Oil Pump
(1)	260-1563	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	E-251X	Standard Piston Ring Set	MK-162C		
(1)	6689MA	Main Bearing Set	(1)	4094M	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-251X	Standard Piston Ring Set
(1)	1461M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	260-1125	Gasket Kit	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-1507	Cam & Lifter Kit	(1)	KC-661	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	260-1000	Gasket Kit
(1)	221-2542LS	Timing Gear Set	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	994M	Main Bearing Set
(1)	381-8074	Brass Expansion Plug Kit	(1)	224-4174	Oil Pump	(1)	KC-668	Cam & Lifter Kit	(1)	1235M	Camshaft Bearing Set
MK-1374A			(1)	381-8011	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KC-274	Cam & Lifter Kit
(1)	E-384X	Standard Piston Ring Set	MK-142E			(1)	224-41118	Oil Pump	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-318X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump
(1)	260-1463	Gasket Kit	(8)	2320CP	Connecting Rod Bearing Pair	MK-153J			MK-162E		
(1)	6690MA	Main Bearing Set	(1)	260-1001	Gasket Kit	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	1756M	Camshaft Bearing Set	(1)	4094M	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-1518	Cam & Lifter Kit	(1)	1453M	Camshaft Bearing Set	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	KT3-378S	Timing Set - 3 Pc.	(1)	KC-327	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	994M	Main Bearing Set
(1)	381-8074	Brass Expansion Plug Kit	(1)	KT3-168S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
MK-1377			(1)	224-4174	Oil Pump	(1)	KC-560	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	E-178X	Standard Piston Ring Set	(1)	381-8011	Brass Expansion Plug Kit	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	8-2130CP	Connecting Rod Bearing Set	MK-146A			(1)	224-41118	Oil Pump	(1)	224-4149	Oil Pump
(1)	260-1430	Gasket Kit	(1)	E-352X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	MK-162F		
(1)	5095MA	Main Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	MK-158A			(1)	E-251X	Standard Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1018	Gasket Kit	(1)	E-251X	Standard Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-1565	Cam & Lifter Kit	(1)	4979M	Main Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1443M	Camshaft Bearing Set	(1)	260-1045	Gasket Kit	(1)	994M	Main Bearing Set
(1)	224-4166	Oil Pump	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	4663MA	Main Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
MK-138A			(1)	222-14	Timing Belt	(1)	KC-274	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	E-297X	Standard Piston Ring Set	(1)	224-41160	Oil Pump	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	8-3045A	Connecting Rod Bearing Set	(1)	381-8029	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1022	Gasket Kit	MK-147A			(1)	381-8007	Brass Expansion Plug Kit	MK-162J		
(1)	4281M	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	MK-158C			(1)	E-251X	Standard Piston Ring Set
(1)	1466M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-707	Cam & Lifter Kit	(1)	260-1023	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	260-1045	Gasket Kit	(1)	994M	Main Bearing Set
(1)	224-41203	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	381-8020	Brass Expansion Plug Kit	(1)	KC-673	Cam & Lifter Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
MK-139C			(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-274	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	E-297X	Standard Piston Ring Set	(1)	224-4146	Oil Pump	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	8-3045A	Connecting Rod Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1008	Gasket Kit	MK-148A			(1)	381-8007	Brass Expansion Plug Kit	MK-162E		
(1)	4281M	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	MK-160A			(1)	E-233X	Standard Piston Ring Set
(1)	1234M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	KC-707	Cam & Lifter Kit	(1)	260-1024	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1001	Gasket Kit
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	260-1046	Gasket Kit	(1)	4094M	Main Bearing Set
(1)	224-41203	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	4400MA	Main Bearing Set	(1)	1453M	Camshaft Bearing Set
(1)	381-8020	Brass Expansion Plug Kit	(1)	KC-711	Cam & Lifter Kit	(1)	1404M	Camshaft Bearing Set	(1)	KC-327	Cam & Lifter Kit
			(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-774	Cam & Lifter Kit	(1)	KT3-501S	Timing Set - 3 Pc.
			(1)	224-4146	Oil Pump				(1)	224-4174	Oil Pump
			(cont'd. next column)						(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-167E (cont'd.)			MK-186A (cont'd.)			MK-199E (cont'd.)			MK-2050 (cont'd.)		
(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-779	Cam & Lifter Kit
MK-167F			MK-186C			(1)	381-8046	Brass Expansion Plug Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.
(1)	E-233X	Standard Piston Ring Set	(1)	E-232X	Standard Piston Ring Set	MK-2000			(1)	224-41198	Oil Pump
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-605X	Standard Piston Ring Set	(1)	381-8086	Brass Expansion Plug Kit
(1)	260-1001	Gasket Kit	(1)	260-1009	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-2053		
(1)	4094M	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	260-1466	Gasket Kit	(1)	E-234X	Standard Piston Ring Set
(1)	1453M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	KC-327A	Cam & Lifter Kit	(1)	KC-636	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	260-1424	Gasket Kit
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	4289M	Main Bearing Set
(1)	224-4174	Oil Pump	(1)	224-4154	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1244M	Camshaft Bearing Set
(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-809	Cam & Lifter Kit
MK-167G			MK-191C			(1)	381-8085	Brass Expansion Plug Kit	(1)	KT3-4SR48	Timing Set - 3 Pc.
(1)	E-233X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set	MK-2001			(1)	224-41198	Oil Pump
(8)	2320CP	Connecting Rod Bearing Pair	(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	E-605X	Standard Piston Ring Set	(1)	381-8084	Brass Expansion Plug Kit
(1)	260-1001	Gasket Kit	(1)	260-1032	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-2058		
(1)	4094M	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	260-1466	Gasket Kit	(1)	E-454X	Standard Piston Ring Set
(1)	1453M	Camshaft Bearing Set	(1)	1462M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	KC-327A	Cam & Lifter Kit	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	260-1616	Gasket Kit
(1)	KT3-495S	Timing Set - 3 Pc.	(1)	224-518	Oil Pump Repair Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	6678MA	Main Bearing Set
(1)	224-4174	Oil Pump	(1)	381-8035	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1840M	Camshaft Bearing Set
MK-172A			MK-192A			(1)	224-4152	Oil Pump	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	E-261X	Standard Piston Ring Set	(1)	E-414X	Standard Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	KC-785C	Cam, Lifter & Follower Kit
(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-3750P	Connecting Rod Bearing Set	MK-2002			(1)	222-153	Timing Belt
(1)	260-1035	Gasket Kit	(1)	260-1101	Gasket Kit	(1)	E-605X	Standard Piston Ring Set	(1)	224-4168	Oil Pump
(1)	4261M	Main Bearing Set	(1)	5085MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	381-8050	Brass Expansion Plug Kit
(1)	1445M	Camshaft Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit	MK-213A		
(1)	KC-642	Cam & Lifter Kit	(1)	KC-712	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	E-286X	Standard Piston Ring Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	224-41173	Oil Pump	(1)	224-4146	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	260-1121	Gasket Kit
(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8049	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	4923MA	Main Bearing Set
MK-179C			MK-194B			(1)	224-4148	Oil Pump	(1)	1484M	Camshaft Bearing Set
(1)	E-300X	Standard Piston Ring Set	(1)	E-236X	Standard Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	KC-644	Cam & Lifter Kit
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	MK-2012			(1)	KT3-160S	Timing Set - 3 Pc.
(1)	260-1025	Gasket Kit	(1)	260-1103	Gasket Kit	(1)	E-229X	Standard Piston Ring Set	(1)	224-4166	Oil Pump
(1)	4221M	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1220M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	260-1240	Gasket Kit	MK-215A		
(1)	KC-641	Cam & Lifter Kit	(1)	KC-698	Cam & Lifter Kit	(1)	5085MA	Main Bearing Set	(1)	E-301X	Standard Piston Ring Set
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	1463M	Camshaft Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set
(1)	224-43364S	Oil Pump	(1)	224-41203	Oil Pump	(1)	KC-783	Cam & Lifter Kit	(1)	260-1151	Gasket Kit
(1)	381-8021	Brass Expansion Plug Kit	(1)	381-8037	Brass Expansion Plug Kit	(1)	KT3-499SA6	Timing Set - 3 Pc.	(1)	5037M	Main Bearing Set
MK-183C			MK-195B			(1)	224-4146	Oil Pump	(1)	1401M	Camshaft Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	E-378X	Standard Piston Ring Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	KC-646	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	MK-2032			(1)	KT3-369S	Timing Set - 3 Pc.
(1)	260-1095	Gasket Kit	(1)	260-1104	Gasket Kit	(1)	E-465X	Standard Piston Ring Set	(1)	224-51285	Oil Pump Repair Kit
(1)	4999MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	381-8001	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	260-1437	Gasket Kit	MK-216A		
(1)	KC-665	Cam & Lifter Kit	(1)	KC-707	Cam & Lifter Kit	(1)	5130M	Main Bearing Set	(1)	E-222X	Standard Piston Ring Set
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	1494M	Camshaft Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	224-41203	Oil Pump	(1)	KC-788	Cam & Lifter Kit	(1)	260-1134	Gasket Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8047	Brass Expansion Plug Kit	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	4289M	Main Bearing Set
MK-185A			MK-199D			(1)	224-41100	Oil Pump	(1)	1244M	Camshaft Bearing Set
(1)	E-413X	Standard Piston Ring Set	(1)	E-411X	Standard Piston Ring Set	(1)	381-8063	Brass Expansion Plug Kit	(1)	KC-713	Cam & Lifter Kit
(1)	8-2600A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	MK-2033			(1)	KT3-494S	Timing Set - 3 Pc.
(1)	260-1097	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	E-446X	Standard Piston Ring Set	(1)	224-41198	Oil Pump
(1)	4125MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	381-8000	Brass Expansion Plug Kit
(1)	1204M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	260-1556	Gasket Kit	MK-217A		
(1)	KC-668	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit	(1)	7011MA	Main Bearing Set	(1)	E-178X	Standard Piston Ring Set
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1843M	Camshaft Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	224-41118	Oil Pump	(1)	224-4148	Oil Pump	(1)	KC-787	Cam & Lifter Kit	(1)	260-1153	Gasket Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	4923MA	Main Bearing Set
MK-186A			MK-199E			(1)	224-43636S	Oil Pump	(1)	1484M	Camshaft Bearing Set
(1)	E-232X	Standard Piston Ring Set	(1)	E-411X	Standard Piston Ring Set	(1)	381-8072	Brass Expansion Plug Kit	(1)	KC-645	Cam & Lifter Kit
(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	MK-2050			(1)	KT3-361S	Timing Set - 3 Pc.
(1)	260-1009	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	E-450X	Standard Piston Ring Set	(1)	224-4166	Oil Pump
(1)	4400MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1255M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	260-1192	Gasket Kit	MK-217C		
(1)	KC-636	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	6676M	Main Bearing Set	(1)	E-178X	Standard Piston Ring Set
(1)	224-4154	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1244M	Camshaft Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-217C (cont'd.)			MK-224F (cont'd.)			MK-232A			MK-244C		
(1)	260-1153	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-408X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	5024MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1149	Gasket Kit	(1)	260-1032	Gasket Kit	(1)	260-1154	Gasket Kit
(1)	KC-645	Cam & Lifter Kit	(1)	7144MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	5024MA	Main Bearing Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1462M	Camshaft Bearing Set	(1)	1462M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-702	Cam & Lifter Kit	(1)	KC-702	Cam & Lifter Kit	(1)	KC-645	Cam & Lifter Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	KT3-361S	Timing Set - 3 Pc.
MK-218A			(1)	224-518	Oil Pump Repair Kit	(1)	224-518	Oil Pump Repair Kit	(1)	224-4166	Oil Pump
(1)	E-178X	Standard Piston Ring Set	(1)	381-8073	Brass Expansion Plug Kit	(1)	381-8035	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(1)	8-2130CP	Connecting Rod Bearing Set	MK-227H			MK-233A			MK-247C		
(1)	260-1152	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	E-408X	Standard Piston Ring Set	(1)	E-439X	Standard Piston Ring Set
(1)	5024MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1143	Gasket Kit	(1)	260-1149	Gasket Kit	(1)	260-1156	Gasket Kit
(1)	KC-645	Cam & Lifter Kit	(1)	5090MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	6618M	Main Bearing Set
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	1462M	Camshaft Bearing Set	(1)	CS-769	Camshaft
(1)	224-4166	Oil Pump	(1)	KC-715	Cam & Lifter Kit	(1)	KC-702	Cam & Lifter Kit	(1)	KT-1014S	Timing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	KT-1013S	Timing Set - Complete
MK-218C			(1)	224-4148	Oil Pump	(1)	224-518	Oil Pump Repair Kit	(1)	224-41914	Oil Pump
(1)	E-178X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8035	Brass Expansion Plug Kit	(1)	381-8051	Brass Expansion Plug Kit
(1)	8-2130CP	Connecting Rod Bearing Set	MK-227K			MK-238C			MK-252A		
(1)	260-1152	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	E-289X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set
(1)	5095MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-3320CP	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1143	Gasket Kit	(1)	260-1150	Gasket Kit	(1)	260-1161	Gasket Kit
(1)	KC-645	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	4664M	Main Bearing Set	(1)	4979M	Main Bearing Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	1422M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-715	Cam & Lifter Kit	(1)	KC-586	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-498S	Timing Set - 3 Pc.	(1)	KC-666C	Cam, Lifter & Follower Kit
MK-218D			(1)	224-4148	Oil Pump	(1)	224-519	Oil Pump Repair Kit	(1)	222-14	Timing Belt
(1)	E-178X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8003	Brass Expansion Plug Kit	(1)	224-41160	Oil Pump
(1)	8-2130CP	Connecting Rod Bearing Set	MK-228K			MK-239A			(1)	381-8029	Brass Expansion Plug Kit
(1)	260-1152	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set	MK-257A		
(1)	5095MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	E-415X	Standard Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1144	Gasket Kit	(1)	260-1129	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KC-645	Cam & Lifter Kit	(1)	5090MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	260-1166	Gasket Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	7295MA	Main Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-633	Cam & Lifter Kit	(1)	1493M	Camshaft Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	KC-733	Cam & Lifter Kit
MK-218E			(1)	224-4148	Oil Pump	(1)	224-4147	Oil Pump	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	E-178X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-51162	Oil Pump Repair Kit
(1)	8-2130CP	Connecting Rod Bearing Set	MK-228L			MK-239C			(1)	381-8053	Brass Expansion Plug Kit
(1)	260-1152	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set	MK-258A		
(1)	5095MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	E-415X	Standard Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1144	Gasket Kit	(1)	260-1129	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	KC-1556	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	260-1167	Gasket Kit
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	7295MA	Main Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit	(1)	1493M	Camshaft Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	221-2540S	Timing Gear Set	(1)	KC-748	Cam & Lifter Kit
MK-218F			(1)	224-4148	Oil Pump	(1)	224-4147	Oil Pump	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	E-178X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	MK-239D			(1)	224-51162	Oil Pump Repair Kit
(1)	8-2130CP	Connecting Rod Bearing Set	MK-228M			(1)	E-234X	Standard Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	260-1152	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	6-2020CP	Connecting Rod Bearing Set	MK-260A		
(1)	5095MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1129	Gasket Kit	(1)	E-251X	Standard Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	260-1144	Gasket Kit	(1)	4124MA	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
(1)	KC-1556	Cam & Lifter Kit	(1)	5090MA	Main Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	260-1169	Gasket Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set
(1)	224-4166	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	221-2540S	Timing Gear Set	(1)	1204M	Camshaft Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	224-4147	Oil Pump	(1)	KC-668	Cam & Lifter Kit
MK-218H			(1)	224-4148	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	E-178X	Standard Piston Ring Set	MK-228N			MK-243A			(1)	224-41118	Oil Pump
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	MK-261A		
(1)	5095MA	Main Bearing Set	(1)	260-1144	Gasket Kit	(1)	260-1121	Gasket Kit	(1)	E-251X	Standard Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	5024MA	Main Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	260-1170	Gasket Kit
(1)	224-4166	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-645	Cam & Lifter Kit	(1)	5078MA	Main Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set
MK-224F			(1)	224-4148	Oil Pump	(1)	224-4166	Oil Pump	(1)	KC-674	Cam & Lifter Kit
(1)	E-369X	Standard Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
(cont'd. next column)									(1)	224-41143	Oil Pump
									(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-261A (cont'd.)			MK-274C (cont'd.)			MK-360A (cont'd.)			MK-388A (cont'd.)		
(1)	381-8015	Brass Expansion Plug Kit	(1)	KC-674	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit	(1)	KC-761	Cam & Lifter Kit
MK-261C			(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	E-251X	Standard Piston Ring Set	(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump	(1)	224-41118	Oil Pump
(1)	8-3380A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1170	Gasket Kit	MK-301C			MK-360C			MK-391A		
(1)	5078MA	Main Bearing Set	(1)	E-364X	Standard Piston Ring Set	(1)	E-222X	Standard Piston Ring Set	(1)	E-476X	Standard Piston Ring Set
(1)	1204M	Camshaft Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	260-1065	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	260-1214	Gasket Kit
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	7142M	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	4979M	Main Bearing Set
(1)	224-41143	Oil Pump	(1)	67332AF	Thrust Washer Set	(1)	1244M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	CS-719	Camshaft	(1)	KC-713	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set
MK-261D			(1)	KT-1019S	Timing Set - Complete	(1)	KT3-504S	Timing Set - 3 Pc.	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	E-251X	Standard Piston Ring Set	(1)	224-41902	Oil Pump	(1)	224-41198	Oil Pump	(1)	222-14	Timing Belt
(1)	8-3380A	Connecting Rod Bearing Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit	(1)	224-41160	Oil Pump
(1)	260-1170	Gasket Kit	MK-330C			MK-369C			MK-396A		
(1)	5078MA	Main Bearing Set	(1)	E-416X	Standard Piston Ring Set	(1)	E-454X	Standard Piston Ring Set	(1)	E-442X	Standard Piston Ring Set
(1)	1204M	Camshaft Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	260-1091	Gasket Kit	(1)	260-1093	Gasket Kit	(1)	260-1218	Gasket Kit
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	7148M	Main Bearing Set	(1)	6678MA	Main Bearing Set	(1)	4979M	Main Bearing Set
(1)	224-41143	Oil Pump	(1)	67332AF	Thrust Washer Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	1443M	Camshaft Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	CS-719	Camshaft	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	1460M	Auxiliary Shaft Bearing Set
MK-263A			(1)	KT-1019S	Timing Set - Complete	(1)	222-71	Timing Belt	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	E-352X	Standard Piston Ring Set	(1)	224-41902	Oil Pump	(1)	224-4168	Oil Pump	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	222-14	Timing Belt
(1)	260-1172	Gasket Kit	MK-353A			MK-382A			(1)	224-41127	Oil Pump
(1)	4979M	Main Bearing Set	(1)	E-437X	Standard Piston Ring Set	(1)	E-465X	Standard Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	1443M	Camshaft Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-2380CP	Connecting Rod Bearing Set	MK-398A		
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	260-1065	Gasket Kit	(1)	260-1208	Gasket Kit	(1)	E-481X	Standard Piston Ring Set
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	7142M	Main Bearing Set	(1)	5130M	Main Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	222-14	Timing Belt	(1)	67332AF	Thrust Washer Set	(1)	1494M	Camshaft Bearing Set	(1)	260-1220	Gasket Kit
(1)	224-41160	Oil Pump	(1)	CS-719	Camshaft	(1)	KC-788	Cam & Lifter Kit	(1)	6101MA	Main Bearing Set
(1)	381-8029	Brass Expansion Plug Kit	(1)	KT-1019S	Timing Set - Complete	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	1838M	Camshaft Bearing Set
MK-265C			(1)	224-41902	Oil Pump	(1)	224-41100	Oil Pump	(1)	KC-814	Cam & Lifter Kit
(1)	E-229X	Standard Piston Ring Set	(1)	381-8042	Brass Expansion Plug Kit	MK-383A			(1)	KT3-60S	Timing Set - 3 Pc.
(1)	6-3150CPA	Connecting Rod Bearing Set	MK-354A			(1)	E-465X	Standard Piston Ring Set	(1)	224-43431	Oil Pump
(1)	260-1174	Gasket Kit	(1)	E-416X	Standard Piston Ring Set	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	381-8064	Brass Expansion Plug Kit
(1)	4916M	Main Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	MK-384A			MK-398C		
(1)	1781M	Camshaft Bearing Set	(1)	260-1188	Gasket Kit	(1)	260-1208	Gasket Kit	(1)	E-481X	Standard Piston Ring Set
(1)	KC-1230	Cam & Lifter Kit	(1)	7148M	Main Bearing Set	(1)	5130M	Main Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	221-2764S	Timing Gear Set	(1)	67332AF	Thrust Washer Set	(1)	1494M	Camshaft Bearing Set	(1)	260-1220	Gasket Kit
(1)	224-41124	Oil Pump	(1)	CS-719	Camshaft	(1)	KC-788	Cam & Lifter Kit	(1)	7245MA	Main Bearing Set
(1)	381-8014	Brass Expansion Plug Kit	(1)	KT-1020S	Timing Set - Complete	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	1838M	Camshaft Bearing Set
MK-265C			(1)	224-41902	Oil Pump	MK-384A			(1)	KC-814	Cam & Lifter Kit
(1)	E-296X	Standard Piston Ring Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	E-465X	Standard Piston Ring Set	(1)	KT3-60S	Timing Set - 3 Pc.
(1)	8-3360CPA	Connecting Rod Bearing Set	MK-358A			(1)	4-1035CP	Connecting Rod Bearing Set	(1)	224-43431	Oil Pump
(1)	260-1177	Gasket Kit	(1)	E-450X	Standard Piston Ring Set	(1)	260-1208	Gasket Kit	(1)	381-8064	Brass Expansion Plug Kit
(1)	4907M	Main Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	5130M	Main Bearing Set	MK-6002A		
(1)	1414M	Camshaft Bearing Set	(1)	260-1191	Gasket Kit	(1)	1494M	Camshaft Bearing Set	(1)	E-458K	Premium Piston Ring Set
(1)	KC-648	Cam & Lifter Kit	(1)	6676M	Main Bearing Set	(1)	KC-788	Cam & Lifter Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	1244M	Camshaft Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	260-1169	Gasket Kit
(1)	224-41144	Oil Pump	(1)	KC-779	Cam & Lifter Kit	(1)	224-41100	Oil Pump	(1)	4125MA	Main Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	381-8063	Brass Expansion Plug Kit	(1)	1204M	Camshaft Bearing Set
MK-268A			(1)	224-41198	Oil Pump	MK-386A			(1)	KC-668	Cam & Lifter Kit
(1)	E-251X	Standard Piston Ring Set	MK-359A			(1)	E-415X	Standard Piston Ring Set	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-450X	Standard Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	224-41118	Oil Pump
(1)	260-1189	Gasket Kit	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	260-1211	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	5107M	Main Bearing Set	(1)	260-1192	Gasket Kit	MK-386A			MK-6003A		
(1)	1204M	Camshaft Bearing Set	(1)	6676M	Main Bearing Set	(1)	7295MA	Main Bearing Set	(1)	E-296K	Premium Piston Ring Set
(1)	KC-674	Cam & Lifter Kit	(1)	1244M	Camshaft Bearing Set	(1)	1493M	Camshaft Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KC-779	Cam & Lifter Kit	(1)	KC-748	Cam & Lifter Kit	(1)	260-1223	Gasket Kit
(1)	224-41143	Oil Pump	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	224-51162	Oil Pump Repair Kit	(1)	4907M	Main Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	224-41198	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit	(1)	1414M	Camshaft Bearing Set
MK-274C			MK-360A			MK-388A			(1)	KC-648	Cam & Lifter Kit
(1)	E-251X	Standard Piston Ring Set	(1)	E-222X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	8-3380A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	224-41144	Oil Pump
(1)	260-1189	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	260-1213A	Gasket Kit	(1)	381-8018	Brass Expansion Plug Kit
(1)	5078MA	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	4125MA	Main Bearing Set	MK-6004A		
(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	E-447K	Premium Piston Ring Set
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6004A (cont'd.)			MK-601F			MK-6010A			MK-602A		
(1)	8-3810CP	Connecting Rod Bearing Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set
(1)	260-1672	Gasket Kit	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	6-2375CP	Connecting Rod Bearing Set
(1)	260-4029	Valley Pan Gasket Set	(1)	260-1035	Gasket Kit	(1)	260-1231	Gasket Kit	(1)	260-1004	Gasket Kit
(1)	5110M	Main Bearing Set	(1)	4261M	Main Bearing Set	(1)	4123MA	Main Bearing Set	(1)	4092M	Main Bearing Set
(1)	1467M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1202M	Camshaft Bearing Set	(1)	1454M	Camshaft Bearing Set
(1)	KC-771	Cam & Lifter Kit	(1)	KC-643	Cam & Lifter Kit	(1)	KC-708A	Cam & Lifter Kit	(1)	KC-380	Cam & Lifter Kit
(1)	221-3342S	Timing Gear Set	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	221-2525S	Timing Gear Set	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	224-41999	Oil Pump	(1)	224-41173	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-4165C	Oil Pump
(1)	381-8056	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit
MK-6006A			MK-601G			MK-6011B			MK-6020A		
(1)	E-477K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	(1)	E-459K	Premium Piston Ring Set
(1)	4-2020CP	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1227	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1232	Gasket Kit	(1)	260-1240	Gasket Kit
(1)	7047MA	Main Bearing Set	(1)	4020M	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	5085MA	Main Bearing Set
(1)	1485M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1791M	Camshaft Bearing Set
(1)	KC-811	Cam & Lifter Kit	(1)	KC-169	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-756	Cam & Lifter Kit
(1)	KT3-370S	Timing Set - 3 Pc.	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-4151	Oil Pump	(1)	224-41173	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8054	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8058	Brass Expansion Plug Kit
MK-6007A			MK-601H			MK-6011C			MK-6021A		
(1)	E-384K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	(1)	E-459K	Premium Piston Ring Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1228	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1232	Gasket Kit	(1)	260-1241	Gasket Kit
(1)	6689MA	Main Bearing Set	(1)	4020M	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	5085MA	Main Bearing Set
(1)	1461M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1791M	Camshaft Bearing Set
(1)	KC-782	Cam & Lifter Kit	(1)	KC-169	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-783	Cam & Lifter Kit
(1)	221-2542LS	Timing Gear Set	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.
(1)	224-41239	Oil Pump	(1)	224-41177	Oil Pump	(1)	224-4152	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8074	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8058	Brass Expansion Plug Kit
MK-6008A			MK-601J			MK-6012E			MK-6023A		
(1)	E-384K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-478K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1229	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1233	Gasket Kit	(1)	260-1244	Gasket Kit
(1)	6690MA	Main Bearing Set	(1)	4020M	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1756M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-781	Cam & Lifter Kit	(1)	KC-443	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-766	Cam & Lifter Kit
(1)	221-2544S	Timing Gear Set	(1)	KT3-494SA4	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-41239	Oil Pump	(1)	224-41177	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8074	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
MK-6009A			MK-601K			MK-6015D			MK-6024C		
(1)	E-450K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	4-2020CP	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1230	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1236	Gasket Kit	(1)	260-1243	Gasket Kit
(1)	4123MA	Main Bearing Set	(1)	4020M	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1202M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-708A	Cam & Lifter Kit	(1)	KC-443	Cam & Lifter Kit	(1)	KC-813	Cam & Lifter Kit	(1)	KC-766	Cam & Lifter Kit
(1)	221-2525S	Timing Gear Set	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KT3-359SA2	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	224-41177	Oil Pump	(1)	381-8073	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8073	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
MK-601C			MK-601L			MK-6017A			MK-6024D		
(1)	E-180K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-434K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	8-3230CP	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1035	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1138	Gasket Kit	(1)	260-1243	Gasket Kit
(1)	4261M	Main Bearing Set	(1)	4261M	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1445M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-643	Cam & Lifter Kit	(1)	KC-443	Cam & Lifter Kit	(1)	KC-702	Cam & Lifter Kit	(1)	KC-711	Cam & Lifter Kit
(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-41177	Oil Pump	(1)	224-41177	Oil Pump	(1)	224-518	Oil Pump Repair Kit	(1)	224-4146	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8073	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
MK-601E			MK-601M			MK-6019A			MK-6026A		
(1)	E-180K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set	(1)	E-459K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1035	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1239	Gasket Kit	(1)	260-1246	Gasket Kit
(1)	4261M	Main Bearing Set	(1)	4261M	Main Bearing Set	(1)	5085MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1445M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set	(1)	1791M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-642	Cam & Lifter Kit	(1)	KC-643	Cam & Lifter Kit	(1)	KC-756	Cam & Lifter Kit	(1)	KC-766	Cam & Lifter Kit
(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	KT3-494SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-41177	Oil Pump	(1)	224-41173	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	381-8049	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6026C			MK-6036A			MK-605D			MK-607B		
(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	E-197K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(6)	2555A	Connecting Rod Bearing Pair
(1)	260-1246	Gasket Kit	(1)	260-1267	Gasket Kit	(1)	260-1002	Gasket Kit	(1)	260-1044	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4222M	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-793	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	(1)	KC-261	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	KT3-351S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-41146	Oil Pump	(1)	224-4147	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-6026E			MK-6037A			MK-605G			MK-6072A		
(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-197K	Premium Piston Ring Set	(1)	E-494KC	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	4-68150CP	Connecting Rod Bearing Set
(1)	260-1246	Gasket Kit	(1)	260-1268	Gasket Kit	(1)	260-1002	Gasket Kit	(1)	260-1299	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4222M	Main Bearing Set	(1)	6834M	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set	(1)	1726M	Auxiliary Shaft Bearing Set
(1)	KC-711	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-448	Cam & Lifter Kit	MK-608A		
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-351S	Timing Set - 3 Pc.	(1)	E-219K	Premium Piston Ring Set
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-41146	Oil Pump	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit
MK-6027A			MK-6037C			MK-606A			(1)	4290M	Main Bearing Set
(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	1439M	Camshaft Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-448	Cam & Lifter Kit
(1)	260-1247	Gasket Kit	(1)	260-1268	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump
(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set	(1)	381-8013	Brass Expansion Plug Kit
(1)	KC-793	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	MK-608C		
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	E-219K	Premium Piston Ring Set
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit
MK-6027C			MK-6038A			MK-606C			(1)	4290M	Main Bearing Set
(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	1439M	Camshaft Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-658	Cam & Lifter Kit
(1)	260-1247	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump
(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	381-8013	Brass Expansion Plug Kit
(1)	KC-808	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	MK-608D		
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	E-219K	Premium Piston Ring Set
(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit
MK-603A			MK-6038C			MK-606D			(1)	5071M	Main Bearing Set
(1)	E-196K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	1439M	Camshaft Bearing Set
(1)	6-3695RA	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(6)	2555A	Connecting Rod Bearing Pair	(1)	KC-658	Cam & Lifter Kit
(1)	260-1004	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	5070M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump
(1)	1454M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set	(1)	381-8013	Brass Expansion Plug Kit
(1)	KC-380	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	MK-6083A		
(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	E-369K	Premium Piston Ring Set
(1)	224-4165C	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	6-3755A	Connecting Rod Bearing Set
(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1032	Gasket Kit
MK-603C			MK-6038D			MK-606E			(1)	7144MA	Main Bearing Set
(1)	E-196K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	1462M	Camshaft Bearing Set
(1)	6-3695RA	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(6)	2555A	Connecting Rod Bearing Pair	(1)	KC-702	Cam & Lifter Kit
(1)	260-1004	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	KT3-359SA1	Timing Set - 3 Pc.
(1)	5070M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-518	Oil Pump Repair Kit
(1)	1473M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	381-8035	Brass Expansion Plug Kit
(1)	KC-380	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	MK-6084A		
(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-4SR46	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	E-468K	Premium Piston Ring Set
(1)	224-4165C	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump	(1)	8-3860P	Connecting Rod Bearing Set
(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1315	Gasket Kit
MK-6033B			MK-604A			MK-607A			(1)	7370M	Main Bearing Set
(1)	E-432K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	1496M	Camshaft Bearing Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-770	Cam & Lifter Kit
(1)	260-1123	Gasket Kit	(1)	260-1038	Gasket Kit	(1)	260-1044	Gasket Kit	(1)	KT3-181S	Timing Set - 3 Pc.
(1)	5090MA	Main Bearing Set	(1)	5070M	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-43424	Oil Pump
(1)	1492M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	381-8057	Brass Expansion Plug Kit
(1)	KC-715	Cam & Lifter Kit	(1)	KC-709	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit	MK-6086C		
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	E-233K	Premium Piston Ring Set
(1)	224-4148	Oil Pump	(1)	224-4165C	Oil Pump	(1)	224-4147	Oil Pump	(1)	8-3190A	Connecting Rod Bearing Set
(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6086C (cont'd.)			MK-6097A (cont'd.)			MK-6103E (cont'd.)			MK-6111C (cont'd.)		
(1)	260-1418	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	222-67	Timing Belt	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	4400MA	Main Bearing Set	(1)	260-1427	Gasket Kit	(1)	224-41972	Oil Pump	(1)	224-43567	Oil Pump
(1)	1404M	Camshaft Bearing Set	(1)	6678MA	Main Bearing Set	MK-6105A			(1)	381-8053	Brass Expansion Plug Kit
(1)	KC-774	Cam & Lifter Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-442KC	Premium Piston Ring Set	MK-6112B		
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-471K	Premium Piston Ring Set
(1)	224-4154G	Oil Pump	(1)	222-132	Timing Belt	(1)	260-1434	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4168	Oil Pump	(1)	4979M	Main Bearing Set	(1)	260-1442	Gasket Kit
MK-6087A			(1)	381-8050	Brass Expansion Plug Kit	(1)	1443M	Camshaft Bearing Set	(1)	7295MA	Main Bearing Set
(1)	E-229K	Premium Piston Ring Set	MK-6098A			(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1886M	Camshaft Bearing Set
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	E-536K	Premium Piston Ring Set	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	KC-860	Cam & Lifter Kit
(1)	260-1420	Gasket Kit	(1)	6-1460A	Connecting Rod Bearing Set	(1)	222-14	Timing Belt	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	4916M	Main Bearing Set	(1)	260-1428	Gasket Kit	(1)	224-41160V	Oil Pump	(1)	224-51380	Oil Pump Repair Kit
(1)	1781M	Camshaft Bearing Set	(1)	7050MA	Main Bearing Set	(1)	381-8029	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	KC-1230	Cam & Lifter Kit	(1)	1790M	Camshaft Bearing Set	MK-6106A			MK-6112C		
(1)	221-2764S	Timing Gear Set	(1)	KC-842	Cam & Lifter Kit	(1)	E-465K	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set
(1)	224-41124	Oil Pump	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8071	Brass Expansion Plug Kit	(1)	224-4166	Oil Pump	(1)	260-1436	Gasket Kit	(1)	260-1442	Gasket Kit
MK-6091A			MK-6098C			(1)	5130M	Main Bearing Set	(1)	7295MA	Main Bearing Set
(1)	E-509K	Premium Piston Ring Set	(1)	E-536K	Premium Piston Ring Set	(1)	1494M	Camshaft Bearing Set	(1)	1886M	Camshaft Bearing Set
(1)	8-3810CP	Connecting Rod Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	KC-788	Cam & Lifter Kit	(1)	KC-860	Cam & Lifter Kit
(1)	260-1673	Gasket Kit	(1)	260-1428	Gasket Kit	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	260-4029	Valley Pan Gasket Set	(1)	7050MA	Main Bearing Set	(1)	224-41100	Oil Pump	(1)	224-43567	Oil Pump
(1)	5110M	Main Bearing Set	(1)	1790M	Camshaft Bearing Set	MK-6107A			(1)	381-8053	Brass Expansion Plug Kit
(1)	1467M	Camshaft Bearing Set	(1)	KC-829	Cam & Lifter Kit	(1)	E-465K	Premium Piston Ring Set	MK-6113B		
(1)	KC-771	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	E-471K	Premium Piston Ring Set
(1)	221-3342S	Timing Gear Set	(1)	224-4166	Oil Pump	(1)	260-1437	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	224-41999	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	5130M	Main Bearing Set	(1)	260-1443	Gasket Kit
(1)	381-8056	Brass Expansion Plug Kit	MK-6099C			(1)	1494M	Camshaft Bearing Set	(1)	7295MA	Main Bearing Set
MK-6092A			(1)	E-536K	Premium Piston Ring Set	(1)	KC-788	Cam & Lifter Kit	(1)	1886M	Camshaft Bearing Set
(1)	E-234K	Premium Piston Ring Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	KC-786	Cam & Lifter Kit
(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	260-1429	Gasket Kit	(1)	224-41100	Oil Pump	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	260-1424	Gasket Kit	(1)	7050MA	Main Bearing Set	MK-6108A			(1)	224-51380	Oil Pump Repair Kit
(1)	4289M	Main Bearing Set	(1)	1790M	Camshaft Bearing Set	(1)	E-465K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	1244M	Camshaft Bearing Set	(1)	KC-1501	Cam & Lifter Kit	(1)	4-1035CP	Connecting Rod Bearing Set	MK-6113C		
(1)	KC-809	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1438	Gasket Kit	(1)	E-471K	Premium Piston Ring Set
(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	5130M	Main Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	224-41198	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set	(1)	260-1443	Gasket Kit
MK-6093C			MK-6100A			(1)	KC-788	Cam & Lifter Kit	(1)	7295MA	Main Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	1886M	Camshaft Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	224-41100	Oil Pump	(1)	KC-786	Cam & Lifter Kit
(1)	260-1425	Gasket Kit	(1)	260-1430	Gasket Kit	(1)	381-8063	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	6678MA	Main Bearing Set	(1)	5095MA	Main Bearing Set	MK-6110A			(1)	224-43567	Oil Pump
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	E-446K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	6-1220RA	Connecting Rod Bearing Set	MK-6114B		
(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump	(1)	260-1210	Gasket Kit	(1)	E-471K	Premium Piston Ring Set
(1)	224-4168	Oil Pump	(1)	381-8010	Brass Expansion Plug Kit	(1)	7011MA	Main Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8050	Brass Expansion Plug Kit	MK-6103A			(1)	1843M	Camshaft Bearing Set	(1)	260-1444	Gasket Kit
MK-6094A			(1)	E-470KC	Premium Piston Ring Set	(1)	KC-787	Cam & Lifter Kit	(1)	7295MA	Main Bearing Set
(1)	E-43800CPA	Connecting Rod Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	1886M	Camshaft Bearing Set
(1)	260-1426	Gasket Kit	(1)	260-1205	Gasket Kit	(1)	224-41101	Oil Pump	(1)	KC-860	Cam & Lifter Kit
(1)	6678MA	Main Bearing Set	(1)	6695MA	Main Bearing Set	(1)	381-8072	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-791	Cam & Lifter Kit	MK-6111A			(1)	224-51380	Oil Pump Repair Kit
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	222-67	Timing Belt	(1)	E-471K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	222-153	Timing Belt	(1)	224-41972	Oil Pump	(6)	3830CPA	Connecting Rod Bearing Pair	MK-6114C		
(1)	224-4168	Oil Pump	MK-6103C			(1)	260-1441	Gasket Kit	(1)	E-471K	Premium Piston Ring Set
(1)	381-8050	Brass Expansion Plug Kit	(1)	E-470KC	Premium Piston Ring Set	(1)	7295MA	Main Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
MK-6094D			(1)	4-1400AA	Connecting Rod Bearing Set	(1)	1886M	Camshaft Bearing Set	(1)	260-1444	Gasket Kit
(1)	E-453K	Premium Piston Ring Set	(1)	260-1205	Gasket Kit	(1)	KC-786	Cam & Lifter Kit	(1)	7295MA	Main Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	6695MA	Main Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	1886M	Camshaft Bearing Set
(1)	260-1426	Gasket Kit	(1)	KC-790	Cam & Lifter Kit	(1)	224-51380	Oil Pump Repair Kit	(1)	KC-860	Cam & Lifter Kit
(1)	6678MA	Main Bearing Set	(1)	222-67	Timing Belt	(1)	381-8053	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41972	Oil Pump	MK-6111C			(1)	224-43567	Oil Pump
(1)	KC-785C	Cam, Lifter & Follower Kit	MK-6103E			(1)	E-471K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	222-71	Timing Belt	(1)	E-470KC	Premium Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	MK-6115A		
(1)	224-4168	Oil Pump	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	260-1441	Gasket Kit	(1)	E-458K	Premium Piston Ring Set
(1)	381-8050	Brass Expansion Plug Kit	(1)	260-1205	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
MK-6097A			(1)	6695MA	Main Bearing Set	(1)	1886M	Camshaft Bearing Set	(1)	260-1445	Gasket Kit
(1)	E-454K	Premium Piston Ring Set	(1)	KC-863	Cam & Lifter Kit	(1)	KC-786	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set
		(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6115A (cont'd.)			MK-6123A (cont'd.)			MK-6135A (cont'd.)			MK-614F (cont'd.)		
(1)	1204M	Camshaft Bearing Set	(1)	260-1452	Gasket Kit	(1)	6690MA	Main Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-760	Cam & Lifter Kit	(1)	4907M	Main Bearing Set	(1)	1756M	Camshaft Bearing Set	(1)	KC-633	Cam & Lifter Kit
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	1414M	Camshaft Bearing Set	(1)	KC-781	Cam & Lifter Kit	(1)	221-2540S	Timing Gear Set
(1)	224-41118	Oil Pump	(1)	KC-648	Cam & Lifter Kit	(1)	221-2544S	Timing Gear Set	(1)	224-4147	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	381-8074	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MK-6116A			MK-6124A			MK-6136A			MK-614G		
(1)	E-251K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	260-1446	Gasket Kit	(1)	260-1453	Gasket Kit	(1)	260-1463	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	4907M	Main Bearing Set	(1)	6690MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set	(1)	1756M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit	(1)	KC-781	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	221-2544S	Timing Gear Set	(1)	221-2540S	Timing Gear Set
(1)	224-41143	Oil Pump	(1)	224-41144	Oil Pump	(1)	381-8074	Brass Expansion Plug Kit	(1)	224-4147	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit	MK-6138A			(1)	381-8006	Brass Expansion Plug Kit
MK-612C			MK-613C			(1)	E-369K	Premium Piston Ring Set	MK-6140A		
(1)	E-229K	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-533K	Premium Piston Ring Set
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1465	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1006	Gasket Kit	(1)	260-1009	Gasket Kit	(1)	7144MA	Main Bearing Set	(1)	260-1467	Gasket Kit
(1)	4916M	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	7144MA	Main Bearing Set
(1)	1450M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	KC-813	Cam & Lifter Kit	(1)	1755M	Camshaft Bearing Set
(1)	KC-1230	Cam & Lifter Kit	(1)	KC-660	Cam & Lifter Kit	(1)	KT3-359SA2	Timing Set - 3 Pc.	(1)	KC-1505	Cam & Lifter Kit
(1)	221-2750LS	Timing Gear Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8073	Brass Expansion Plug Kit	(1)	KT3-377S	Timing Set - 3 Pc.
(1)	224-41124	Oil Pump	(1)	224-4154	Oil Pump	MK-614A			(1)	224-51379	Oil Pump Repair Kit
(1)	381-8014	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	E-234K	Premium Piston Ring Set	MK-6141A		
MK-612E			MK-613E			(1)	6-2020CP	Connecting Rod Bearing Set	(1)	E-532K	Premium Piston Ring Set
(1)	E-229K	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	260-1469	Gasket Kit
(1)	260-1006	Gasket Kit	(1)	260-1009	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	7144MA	Main Bearing Set
(1)	4916M	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	1755M	Camshaft Bearing Set
(1)	1450M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	221-2525S	Timing Gear Set	(1)	381-8073	Brass Expansion Plug Kit
(1)	KC-1230	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit	MK-614C			MK-6141E		
(1)	221-2764S	Timing Gear Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	E-234K	Premium Piston Ring Set	(1)	E-532K	Premium Piston Ring Set
(1)	224-41124	Oil Pump	(1)	224-4154	Oil Pump	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	381-8014	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	260-1005	Gasket Kit	(1)	260-1469	Gasket Kit
MK-6120A			MK-6131A			(1)	4124MA	Main Bearing Set	(1)	7144MA	Main Bearing Set
(1)	E-446K	Premium Piston Ring Set	(1)	E-531K	Premium Piston Ring Set	(1)	1557M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	KC-633	Cam & Lifter Kit	(1)	KT3-381S	Timing Set - 3 Pc.
(1)	260-1222	Gasket Kit	(1)	260-1227	Gasket Kit	(1)	224-4147	Oil Pump	(1)	381-8073	Brass Expansion Plug Kit
(1)	7011MA	Main Bearing Set	(1)	7047MA	Main Bearing Set	MK-614D			MK-6142A		
(1)	1843M	Camshaft Bearing Set	(1)	1485M	Camshaft Bearing Set	(1)	260-1005	Gasket Kit	(1)	E-444K	Premium Piston Ring Set
(1)	KC-787	Cam & Lifter Kit	(1)	KC-811	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set	(1)	8-3870RA	Connecting Rod Bearing Set
(1)	KT3-374S	Timing Set - 3 Pc.	(1)	KT3-370S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set	(1)	260-1470	Gasket Kit
(1)	224-41101	Oil Pump	(1)	224-4151	Oil Pump	(1)	KC-633	Cam & Lifter Kit	(1)	7046MA	Main Bearing Set
(1)	381-8072	Brass Expansion Plug Kit	MK-6132C			(1)	221-2528S	Timing Gear Set	(1)	1757M	Camshaft Bearing Set
MK-6121A			(1)	E-535K	Premium Piston Ring Set	(1)	224-4147	Oil Pump	(1)	KC-751	Cam & Lifter Kit
(1)	E-458K	Premium Piston Ring Set	(1)	4-1540A	Connecting Rod Bearing Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-503S	Timing Set - 3 Pc.
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1460	Gasket Kit	MK-614E			(1)	224-5129	Oil Pump Repair Kit
(1)	260-1451	Gasket Kit	(1)	7054MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set	MK-6144A		
(1)	4125MA	Main Bearing Set	(1)	KC-831	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	E-444K	Premium Piston Ring Set
(1)	1204M	Camshaft Bearing Set	(1)	KC-832	Cam & Lifter Kit	(1)	260-1005	Gasket Kit	(1)	8-3870RA	Connecting Rod Bearing Set
(1)	KC-668	Cam & Lifter Kit	(1)	KT3-D130SA	Timing Set - 3 Pc.	(1)	4124MA	Main Bearing Set	(1)	260-1473	Gasket Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	224-43435	Oil Pump	(1)	1203M	Camshaft Bearing Set	(1)	7046MA	Main Bearing Set
(1)	224-41118	Oil Pump	MK-6134A			(1)	KC-633	Cam & Lifter Kit	(1)	1757M	Camshaft Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	E-384K	Premium Piston Ring Set	(1)	221-2525S	Timing Gear Set	(1)	KC-751	Cam & Lifter Kit
MK-6121C			(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	224-4147	Oil Pump	(1)	KT3-503S	Timing Set - 3 Pc.
(1)	E-458K	Premium Piston Ring Set	(1)	260-1464	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-5129	Oil Pump Repair Kit
(1)	8-2600A	Connecting Rod Bearing Set	(1)	6689MA	Main Bearing Set	MK-614F			MK-6148A		
(1)	260-1451	Gasket Kit	(1)	1461M	Camshaft Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set
(1)	4125MA	Main Bearing Set	(1)	KC-782	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	221-2542LS	Timing Gear Set	(1)	260-1005	Gasket Kit	(1)	260-1477	Gasket Kit
(1)	KC-668	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	4124MA	Main Bearing Set	(1)	4281M	Main Bearing Set
(1)	KT3-163SA1	Timing Set - 3 Pc.	MK-6135A			(1)	221-2525S	Timing Gear Set	(1)	1466M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	E-384K	Premium Piston Ring Set	(1)	224-4147	Oil Pump	(1)	KC-758	Cam & Lifter Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-498SA3	Timing Set - 3 Pc.
MK-6123A			(1)	260-1462	Gasket Kit	MK-614G			(1)	224-41203	Oil Pump
(1)	E-296K	Premium Piston Ring Set	MK-6135A			(1)	E-234K	Premium Piston Ring Set	(1)	381-8020	Brass Expansion Plug Kit
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	E-384K	Premium Piston Ring Set	(1)	6-2020CP	Connecting Rod Bearing Set	MK-6148A		
(cont'd. next column)			(cont'd. next column)			(1)	260-1005	Gasket Kit	(1)	E-288K	Premium Piston Ring Set
						(1)	4124MA	Main Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set
						(cont'd. next column)			(1)	260-1477	Gasket Kit
									(1)	4281M	Main Bearing Set
									(1)	1466M	Camshaft Bearing Set
									(1)	KC-758	Cam & Lifter Kit
									(1)	KT3-498SA3	Timing Set - 3 Pc.
									(1)	224-41203	Oil Pump
									(1)	381-8020	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6148D			MK-6156A			MK-617C (cont'd.)			MK-6183D (cont'd.)		
(1)	E-288K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1010	Gasket Kit	(1)	224-4148	Oil Pump
(1)	260-1477	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	5037M	Main Bearing Set	MK-6184A		
(1)	4281M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	1401M	Camshaft Bearing Set	(1)	E-605K	Premium Piston Ring Set
(1)	1466M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	KC-646	Cam & Lifter Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	KC-850	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	260-1466	Gasket Kit
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-51285	Oil Pump Repair Kit	(1)	7242MA	Main Bearing Set
(1)	224-41203	Oil Pump	(1)	224-4146	Oil Pump	(1)	381-8001	Brass Expansion Plug Kit	(1)	1492M	Camshaft Bearing Set
(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	MK-6176A			(1)	KC-715	Cam & Lifter Kit
MK-615A			MK-6156C			(1)	E-525KC	Premium Piston Ring Set	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	E-234K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set	(1)	6-1845CP	Connecting Rod Bearing Set	MK-6184B		
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1498	Gasket Kit	(1)	E-605K	Premium Piston Ring Set
(1)	260-1019	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	7099M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	4124MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	KC-843	Cam & Lifter Kit	(1)	260-1466	Gasket Kit
(1)	1557M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	222-104	Timing Belt	(1)	7242MA	Main Bearing Set
(1)	KC-677	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	224-41956	Oil Pump	(1)	1492M	Camshaft Bearing Set
(1)	221-2540S	Timing Gear Set	(1)	KT3-4SR46	Timing Set - 3 Pc.	MK-6177C			(1)	KC-715	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump	(1)	E-511KC	Premium Piston Ring Set	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	4-1610CP	Connecting Rod Bearing Set	(1)	224-4152	Oil Pump
MK-615E			MK-6156D			(1)	260-1499	Gasket Kit	(1)	381-8085	Brass Expansion Plug Kit
(1)	E-234K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set	(1)	7116MA	Main Bearing Set	MK-6184C		
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1099AF	Thrust Washer Set	(1)	E-605K	Premium Piston Ring Set
(1)	260-1019	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	CS-1463	Camshaft	(1)	6-4020A	Connecting Rod Bearing Set
(1)	4124MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	222-B233	Timing Belt	(1)	260-1466	Gasket Kit
(1)	1557M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	224-41936	Oil Pump	(1)	7242MA	Main Bearing Set
(1)	KC-633	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	MK-618D			(1)	1492M	Camshaft Bearing Set
(1)	221-2540S	Timing Gear Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	E-243K	Premium Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	260-1016	Gasket Kit	MK-6186A		
MK-6151A			MK-616A			(1)	4926MA	Main Bearing Set	(1)	E-476K	Premium Piston Ring Set
(1)	E-377K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	260-1526	Gasket Kit
(1)	260-1478	Gasket Kit	(1)	260-1037	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4979M	Main Bearing Set
(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	1443M	Camshaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	MK-618E			(1)	1460M	Auxiliary Shaft Bearing Set
(1)	KC-808	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit	(1)	E-243K	Premium Piston Ring Set	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	221-2540S	Timing Gear Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	222-14	Timing Belt
(1)	224-4146A	Oil Pump	(1)	224-4147	Oil Pump	(1)	260-1016	Gasket Kit	(1)	224-41160	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	4926MA	Main Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
MK-6152A			MK-6160A			(1)	1235M	Camshaft Bearing Set	MK-619A		
(1)	E-530K	Premium Piston Ring Set	(1)	E-515KC	Premium Piston Ring Set	(1)	KC-274	Cam & Lifter Kit	(1)	E-245K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-1520CP	Connecting Rod Bearing Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	260-1478	Gasket Kit	(1)	260-1485	Gasket Kit	(1)	224-4146	Oil Pump	(1)	260-1000	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	6699MA	Main Bearing Set	MK-6181A			(1)	994M	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	67341AF	Thrust Washer Set	(1)	E-523KC	Premium Piston Ring Set	(1)	1145M	Camshaft Bearing Set
(1)	KC-808	Cam & Lifter Kit	(1)	222-143	Timing Belt	(1)	4-3895RA	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	224-43566	Oil Pump	(1)	260-1502	Gasket Kit	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	224-4146A	Oil Pump	MK-6163A			(1)	6622MA	Main Bearing Set	(1)	224-4146	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	E-526KC	Premium Piston Ring Set	(1)	67277BF	Thrust Washer Set	(1)	381-8007	Brass Expansion Plug Kit
MK-6153A			(1)	4-1495CP	Connecting Rod Bearing Set	(1)	222-138	Timing Belt	MK-619C		
(1)	E-377K	Premium Piston Ring Set	(1)	260-1488	Gasket Kit	(1)	224-41948	Oil Pump	(1)	E-245K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	7035M	Main Bearing Set	MK-6182A			(1)	8-2020CP	Connecting Rod Bearing Set
(1)	260-1268	Gasket Kit	(1)	67341AF	Thrust Washer Set	(1)	E-510KC	Premium Piston Ring Set	(1)	260-1000	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	KC-847	Cam & Follower Kit	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	222-B160	Timing Belt	(1)	260-1503	Gasket Kit	(1)	1145M	Camshaft Bearing Set
(1)	KC-766	Cam & Lifter Kit	(1)	224-41964	Oil Pump	(1)	7148M	Main Bearing Set	(1)	KC-273	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	MK-617A			(1)	67333AF	Thrust Washer Set	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	224-4146A	Oil Pump	(1)	E-240K	Premium Piston Ring Set	(1)	CS-719	Camshaft	(1)	224-4146	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	KT-1028S	Timing Set - Complete	(1)	381-8007	Brass Expansion Plug Kit
MK-6155A			(1)	260-1010	Gasket Kit	(1)	224-41940	Oil Pump	MK-619D		
(1)	E-384K	Premium Piston Ring Set	(1)	5037M	Main Bearing Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	E-245K	Premium Piston Ring Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	1401M	Camshaft Bearing Set	MK-6183D			(1)	8-2020CP	Connecting Rod Bearing Set
(1)	260-1482	Gasket Kit	(1)	KC-646	Cam & Lifter Kit	(1)	E-605K	Premium Piston Ring Set	(1)	260-1000	Gasket Kit
(1)	6689MA	Main Bearing Set	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	6-4020A	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set
(1)	1461M	Camshaft Bearing Set	(1)	224-51285	Oil Pump Repair Kit	(1)	260-1233	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	KC-782	Cam & Lifter Kit	(1)	381-8001	Brass Expansion Plug Kit	(1)	7242MA	Main Bearing Set	(1)	KC-274	Cam & Lifter Kit
(1)	221-2542LS	Timing Gear Set	MK-617C			(1)	1492M	Camshaft Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	224-41239	Oil Pump	(1)	E-240K	Premium Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	224-4146	Oil Pump
(1)	381-8074	Brass Expansion Plug Kit	(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-619D (cont'd.)			MK-6206A (cont'd.)			MK-624C			MK-6251A		
(1)	381-8007	Brass Expansion Plug Kit	(1)	224-51384	Oil Pump Repair Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
MK-619E			(1)	381-8060	Brass Expansion Plug Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
(1)	E-245K	Premium Piston Ring Set	MK-621D			(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-245K	Premium Piston Ring Set	(1)	4925M	Main Bearing Set	(1)	4125MA	Main Bearing Set
(1)	260-1000	Gasket Kit	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	994M	Main Bearing Set	(1)	260-1025	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	4040M	Main Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	1220M	Camshaft Bearing Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KC-641	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	224-4149	Oil Pump	(1)	KT3-350S	Timing Set - 3 Pc.	MK-624D			MK-6251C		
(1)	381-8007	Brass Expansion Plug Kit	(1)	224-43364S	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
MK-619F			(1)	381-8021	Brass Expansion Plug Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
(1)	E-245K	Premium Piston Ring Set	MK-621E			(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-245K	Premium Piston Ring Set	(1)	4925M	Main Bearing Set	(1)	4125MA	Main Bearing Set
(1)	260-1000	Gasket Kit	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	994M	Main Bearing Set	(1)	260-1025	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	4040M	Main Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	1220M	Camshaft Bearing Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-690C	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	224-4146	Oil Pump	(1)	KT3-350S	Timing Set - 3 Pc.	MK-624G			MK-6253A		
(1)	381-8007	Brass Expansion Plug Kit	(1)	224-43364S	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
MK-619G			(1)	381-8021	Brass Expansion Plug Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
(1)	E-245K	Premium Piston Ring Set	MK-6212A			(1)	260-1014	Gasket Kit	(1)	260-1559	Gasket Kit
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-446K	Premium Piston Ring Set	(1)	5078MA	Main Bearing Set	(1)	4125MA	Main Bearing Set
(1)	260-1000	Gasket Kit	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	994M	Main Bearing Set	(1)	260-1556	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	7011MA	Main Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	1843M	Camshaft Bearing Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-787	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	224-4149	Oil Pump	(1)	KT3-374S	Timing Set - 3 Pc.	MK-624J			MK-6257A		
(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8072	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-468K	Premium Piston Ring Set
MK-620B			MK-6215A			(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-3860P	Connecting Rod Bearing Set
(1)	E-245K	Premium Piston Ring Set	(1)	E-458K	Premium Piston Ring Set	(1)	260-1014	Gasket Kit	(1)	260-1619	Gasket Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	5078MA	Main Bearing Set	(1)	7370M	Main Bearing Set
(1)	260-1000	Gasket Kit	(1)	260-1559	Gasket Kit	(1)	1403M	Camshaft Bearing Set	(1)	1496M	Camshaft Bearing Set
(1)	4663MA	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	KC-667	Cam & Lifter Kit	(1)	KC-770	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-181S	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	224-41166	Oil Pump	(1)	224-43424	Oil Pump
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8057	Brass Expansion Plug Kit
(1)	224-4146	Oil Pump	(1)	224-41118	Oil Pump	MK-624M			MK-6263A		
(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-613K	Premium Piston Ring Set
MK-6205A			MK-6219C			(1)	8-3400CP	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set	(1)	260-1014	Gasket Kit	(1)	260-1652	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair	(1)	5107M	Main Bearing Set	(1)	7245MA	Main Bearing Set
(1)	260-1616	Gasket Kit	(1)	260-1563	Gasket Kit	(1)	1403M	Camshaft Bearing Set	(1)	1844M	Camshaft Bearing Set
(1)	6678MA	Main Bearing Set	(1)	6689MA	Main Bearing Set	(1)	KC-667	Cam & Lifter Kit	(1)	KC-1511	Cam & Lifter Kit
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	1461M	Camshaft Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-64S	Timing Set - 3 Pc.
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	224-41166	Oil Pump	(1)	224-43431	Oil Pump
(1)	222-153	Timing Belt	MK-622C			(1)	381-8016	Brass Expansion Plug Kit	MK-6264A		
(1)	224-4168	Oil Pump	(1)	E-251K	Premium Piston Ring Set	MK-625A			(1)	E-613K	Premium Piston Ring Set
(1)	381-8050	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	6-3055CP	Connecting Rod Bearing Set
MK-6205B			(1)	260-1033	Gasket Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	260-1652	Gasket Kit
(1)	E-454K	Premium Piston Ring Set	(1)	4999MA	Main Bearing Set	(1)	260-1028	Gasket Kit	(1)	7245MA	Main Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	5107M	Main Bearing Set	(1)	1844M	Camshaft Bearing Set
(1)	260-1616	Gasket Kit	(1)	KC-665	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	KC-1510	Cam & Lifter Kit
(1)	6678MA	Main Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KC-674	Cam & Lifter Kit	(1)	KT3-64S	Timing Set - 3 Pc.
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-4166	Oil Pump	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	224-43431	Oil Pump
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	224-41143	Oil Pump	MK-6269A		
(1)	222-153	Timing Belt	MK-6221C			(1)	381-8015	Brass Expansion Plug Kit	(1)	E-381K	Premium Piston Ring Set
(1)	224-4168	Oil Pump	(1)	E-562KC	Premium Piston Ring Set	MK-625C			(4)	2555A	Connecting Rod Bearing Pair
MK-6206A			(1)	6-4385RA	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1506M	Gasket Kit
(1)	E-529K	Premium Piston Ring Set	(1)	260-1714	Gasket Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	4123MA	Main Bearing Set
(1)	6-1920RA	Connecting Rod Bearing Set	(1)	7261M	Main Bearing Set	(1)	260-1028	Gasket Kit	(1)	1461M	Camshaft Bearing Set
(1)	260-1646	Gasket Kit	(1)	3956BF	Thrust Washer Set	(1)	5107M	Main Bearing Set	(1)	KC-1068M	Cam & Lifter Kit
(1)	7278MA	Main Bearing Set	(1)	KC-1525	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set
(1)	1809M	Camshaft Bearing Set	(1)	222-154	Timing Belt	(1)	KC-674	Cam & Lifter Kit	(1)	224-4147	Oil Pump
(1)	KC-1503	Cam & Lifter Kit	(1)	224-41980	Oil Pump	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8006	Brass Expansion Plug Kit
(1)	KT3-388S	Timing Set - 3 Pc.	(cont'd. next column)			(1)	224-41143	Oil Pump			
						(1)	381-8015	Brass Expansion Plug Kit			

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-6269C			MK-630C			MK-6329A			MK-637E		
(1)	E-381K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-528KC	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(4)	2555A	Connecting Rod Bearing Pair	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1505M	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	260-1432	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	4123MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	7090M	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1461M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1736AF	Thrust Washer Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-1068M	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-864	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit
(1)	221-2528S	Timing Gear Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-865	Cam & Lifter Kit	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump	(1)	222-139	Timing Belt	(1)	224-41139	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-42000	Oil Pump	(1)	381-8018	Brass Expansion Plug Kit
MK-627A			MK-630F			MK-633A			MK-637F		
(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	260-1124	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	5107M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-707	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-41203	Oil Pump	(1)	224-41144	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit
MK-627C			MK-632A			MK-6339B			MK-6373A		
(1)	E-251K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1612	Gasket Kit	(1)	260-1563	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	4924MA	Main Bearing Set	(1)	7086MA	Main Bearing Set	(1)	6689MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1886M	Camshaft Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(1)	KC-327A	Cam & Lifter Kit	(1)	KC-861	Cam & Lifter Kit	(1)	KC-1507	Cam & Lifter Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	221-2542LS	Timing Gear Set
(1)	224-41143	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-43567	Oil Pump	(1)	381-8074	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit	MK-6374A		
(1)	E-251K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1012	Gasket Kit	(1)	260-1463	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	5025MA	Main Bearing Set	(1)	4418M	Main Bearing Set	(1)	6690MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1422M	Camshaft Bearing Set	(1)	1756M	Camshaft Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	KC-327	Cam & Lifter Kit	(1)	KC-647	Cam & Lifter Kit	(1)	KC-1518	Cam & Lifter Kit
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KT3-359S	Timing Set - 3 Pc.	(1)	KT3-378S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-518	Oil Pump Repair Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8002	Brass Expansion Plug Kit	MK-6377		
(1)	E-251K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1012	Gasket Kit	(1)	260-1430	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	5025MA	Main Bearing Set	(1)	4418M	Main Bearing Set	(1)	5095MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1422M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	KC-327	Cam & Lifter Kit	(1)	KC-647	Cam & Lifter Kit	(1)	KC-1565	Cam & Lifter Kit
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KT3-359S	Timing Set - 3 Pc.	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-518	Oil Pump Repair Kit	(1)	224-4166	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8002	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
MK-6270A			MK-632F			MK-634C			MK-6379		
(1)	E-234K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1508M	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1012	Gasket Kit	(1)	260-1466	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	4924MA	Main Bearing Set	(1)	4418M	Main Bearing Set	(1)	7242MA	Main Bearing Set
(1)	1203M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1422M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
(1)	KC-1092M	Cam & Lifter Kit	(1)	KC-661	Cam & Lifter Kit	(1)	KC-676	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit
(1)	221-2528S	Timing Gear Set	(1)	KT3-168S	Timing Set - 3 Pc.	(1)	KT3-359S	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-518	Oil Pump Repair Kit	(1)	224-4148	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8002	Brass Expansion Plug Kit	(1)	381-8085	Brass Expansion Plug Kit
MK-6270C			MK-632G			MK-6369			MK-6379		
(1)	E-234K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-536K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1508M	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1429	Gasket Kit	(1)	260-1466	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	4924MA	Main Bearing Set	(1)	7050MA	Main Bearing Set	(1)	7242MA	Main Bearing Set
(1)	1557M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1790M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
(1)	KC-1092M	Cam & Lifter Kit	(1)	KC-327	Cam & Lifter Kit	(1)	KC-1501	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit
(1)	221-2528S	Timing Gear Set	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KT3-380S	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-4166	Oil Pump	(1)	224-4148	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8061	Brass Expansion Plug Kit	(1)	381-8085	Brass Expansion Plug Kit
MK-6271A			MK-632H			MK-637D			MK-638A		
(1)	E-245K	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set	(1)	E-297K	Premium Piston Ring Set
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set
(1)	260-1510M	Gasket Kit	(1)	260-1001	Gasket Kit	(1)	260-1013	Gasket Kit	(1)	260-1022	Gasket Kit
(1)	994M	Main Bearing Set	(1)	5025MA	Main Bearing Set	(1)	4907M	Main Bearing Set	(1)	4281M	Main Bearing Set
(1)	1145M	Camshaft Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set
(1)	KC-274	Cam & Lifter Kit	(1)	KC-661	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit	(1)	KC-707	Cam & Lifter Kit
(1)	KT3-163S	Timing Set - 3 Pc.	(1)	KT3-168S	Timing Set - 3 Pc.	(1)	KT3-491SA	Timing Set - 3 Pc.	(1)	KT3-498SA3	Timing Set - 3 Pc.
(1)	224-4146	Oil Pump	(1)	224-4174	Oil Pump	(1)	224-41139	Oil Pump	(1)	224-41203	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8020	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-639C			MK-647A			MK-658C			MK-662J (cont'd.)		
(1)	E-297K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1000	Gasket Kit
(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set
(1)	260-1008	Gasket Kit	(1)	260-1023	Gasket Kit	(1)	260-1045	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	4281M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	KC-274	Cam & Lifter Kit
(1)	1234M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	KC-707	Cam & Lifter Kit	(1)	KC-673	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	224-4146	Oil Pump
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit
(1)	224-41203	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump	MK-667E		
(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	E-233K	Premium Piston Ring Set
MK-640E			MK-648A			MK-660A			(1)	8-2320CP	Connecting Rod Bearing Set
(1)	E-299K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set	(1)	260-1001	Gasket Kit
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4094M	Main Bearing Set
(1)	260-1025	Gasket Kit	(1)	260-1024	Gasket Kit	(1)	260-1046	Gasket Kit	(1)	1453M	Camshaft Bearing Set
(1)	4040M	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	KC-327	Cam & Lifter Kit
(1)	1220M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	KT3-501S	Timing Set - 3 Pc.
(1)	KC-690C	Cam & Lifter Kit	(1)	KC-711	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit	(1)	224-4174	Oil Pump
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8011	Brass Expansion Plug Kit
(1)	224-43364S	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4154	Oil Pump	MK-667F		
(1)	381-8021	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	E-233K	Premium Piston Ring Set
MK-6405A			MK-653D			MK-661A			(1)	8-2320CP	Connecting Rod Bearing Set
(1)	E-532K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set	(1)	260-1001	Gasket Kit
(1)	6-3760A	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4094M	Main Bearing Set
(1)	260-1566	Gasket Kit	(1)	260-1125	Gasket Kit	(1)	260-1009	Gasket Kit	(1)	1453M	Camshaft Bearing Set
(1)	7144MA	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	KC-327A	Cam & Lifter Kit
(1)	1755M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	KT3-501S	Timing Set - 3 Pc.
(1)	KC-1506	Cam & Lifter Kit	(1)	KC-560	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit	(1)	224-4174	Oil Pump
(1)	KT3-381S	Timing Set - 3 Pc.	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8011	Brass Expansion Plug Kit
(1)	224-51379	Oil Pump Repair Kit	(1)	224-41118	Oil Pump	(1)	224-4154	Oil Pump	MK-667G		
MK-642A			(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	E-233K	Premium Piston Ring Set
(1)	E-318K	Premium Piston Ring Set	MK-653F			MK-662A			(1)	8-2320CP	Connecting Rod Bearing Set
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1001	Gasket Kit
(1)	260-1001	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	4094M	Main Bearing Set
(1)	4094M	Main Bearing Set	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	1453M	Camshaft Bearing Set
(1)	1453M	Camshaft Bearing Set	(1)	4125MA	Main Bearing Set	(1)	994M	Main Bearing Set	(1)	KC-327A	Cam & Lifter Kit
(1)	KC-327	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	1145M	Camshaft Bearing Set	(1)	KT3-495S	Timing Set - 3 Pc.
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KC-560	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit	(1)	224-4174	Oil Pump
(1)	224-4174	Oil Pump	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-489S	Timing Set - 3 Pc.	MK-672A		
(1)	381-8011	Brass Expansion Plug Kit	(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump	(1)	E-261K	Premium Piston Ring Set
MK-642D			(1)	381-8015	Brass Expansion Plug Kit	MK-662C			(8)	3230CP	Connecting Rod Bearing Pair
(1)	E-318K	Premium Piston Ring Set	MK-653H			(1)	E-251K	Premium Piston Ring Set	(1)	260-1035	Gasket Kit
(8)	2320CP	Connecting Rod Bearing Pair	(1)	E-251K	Premium Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	4261M	Main Bearing Set
(1)	260-1001	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit	(1)	1445M	Camshaft Bearing Set
(1)	4094M	Main Bearing Set	(1)	260-1125	Gasket Kit	(1)	994M	Main Bearing Set	(1)	KC-642	Cam & Lifter Kit
(1)	1453M	Camshaft Bearing Set	(1)	4125MA	Main Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	KT3-494SA1	Timing Set - 3 Pc.
(1)	KC-661	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	224-41173	Oil Pump
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	KC-668	Cam & Lifter Kit	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	381-8017	Brass Expansion Plug Kit
(1)	224-4174	Oil Pump	(1)	KT3-358SA	Timing Set - 3 Pc.	MK-662E			MK-679C		
(1)	381-8011	Brass Expansion Plug Kit	(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	E-300K	Premium Piston Ring Set
MK-642E			(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	E-318K	Premium Piston Ring Set	MK-653J			(1)	260-1000	Gasket Kit	(1)	260-1025	Gasket Kit
(8)	2320CP	Connecting Rod Bearing Pair	(1)	E-251K	Premium Piston Ring Set	(1)	994M	Main Bearing Set	(1)	4221M	Main Bearing Set
(1)	260-1001	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1220M	Camshaft Bearing Set
(1)	4094M	Main Bearing Set	(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	KC-641	Cam & Lifter Kit
(1)	1453M	Camshaft Bearing Set	(1)	4125MA	Main Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KT3-350S	Timing Set - 3 Pc.
(1)	KC-327	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	224-4149	Oil Pump	(1)	224-43364S	Oil Pump
(1)	KT3-168S	Timing Set - 3 Pc.	(1)	KC-560	Cam & Lifter Kit	MK-662F			(1)	381-8021	Brass Expansion Plug Kit
(1)	224-4174	Oil Pump	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	MK-683C		
(1)	381-8011	Brass Expansion Plug Kit	(1)	224-41118	Oil Pump	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set
MK-646A			(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-352K	Premium Piston Ring Set	MK-658A			(1)	994M	Main Bearing Set	(1)	260-1095	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	4999MA	Main Bearing Set
(1)	260-1018	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	1484M	Camshaft Bearing Set
(1)	4979M	Main Bearing Set	(1)	260-1045	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-665	Cam & Lifter Kit
(1)	1443M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	(1)	224-4149	Oil Pump	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1235M	Camshaft Bearing Set	MK-662J			(1)	224-4166	Oil Pump
(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	KC-274	Cam & Lifter Kit	(1)	E-251K	Premium Piston Ring Set	MK-686A		
(1)	222-14	Timing Belt	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-232K	Premium Piston Ring Set
(1)	224-41160	Oil Pump	(1)	224-4146	Oil Pump	(cont'd. next column)			(cont'd. next page)		
(1)	381-8029	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit						

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-686A (cont'd.)			MK-699E (cont'd.)			MK-7014			MK-7053		
(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-628K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set
(1)	260-1009	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	4400MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	260-1240	Gasket Kit	(1)	260-1424	Gasket Kit
(1)	1255M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	5085MA	Main Bearing Set	(1)	4289M	Main Bearing Set
(1)	KC-636	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	1463M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	224-4154	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KC-783	Cam & Lifter Kit	(1)	KC-809	Cam & Lifter Kit
(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KT3-499SA6	Timing Set - 3 Pc.	(1)	KT3-4SR48	Timing Set - 3 Pc.
MK-686C			(1)	381-8046	Brass Expansion Plug Kit	(1)	224-4146A	Oil Pump	(1)	224-41198	Oil Pump
(1)	E-232K	Premium Piston Ring Set	MK-7000			(1)	381-8058	Brass Expansion Plug Kit	(1)	381-8084	Brass Expansion Plug Kit
(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-605K	Premium Piston Ring Set	MK-7021			MK-7057		
(1)	260-1009	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set
(1)	4400MA	Main Bearing Set	(1)	260-1466	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	1404M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	260-1246	Gasket Kit	(1)	260-1427	Gasket Kit
(1)	KC-636	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	4663MA	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	1235M	Camshaft Bearing Set	(1)	1840M	Camshaft Bearing Set
(1)	224-4154	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KC-711	Cam & Lifter Kit	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-785C	Cam, Lifter & Follower Kit
MK-691C			(1)	381-8085	Brass Expansion Plug Kit	(1)	224-43469	Oil Pump	(1)	222-153	Timing Belt
(1)	E-369K	Premium Piston Ring Set	MK-7001			(1)	381-8059	Brass Expansion Plug Kit	(1)	224-4168	Oil Pump
(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	E-605K	Premium Piston Ring Set	MK-7028			(1)	381-8050	Brass Expansion Plug Kit
(1)	260-1032	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-233K	Premium Piston Ring Set	MK-7058		
(1)	7144MA	Main Bearing Set	(1)	260-1466	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-454K	Premium Piston Ring Set
(1)	1462M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	260-1418	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	4400MA	Main Bearing Set	(1)	260-1616	Gasket Kit
(1)	224-518	Oil Pump Repair Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	1404M	Camshaft Bearing Set	(1)	6678MA	Main Bearing Set
(1)	381-8035	Brass Expansion Plug Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KC-774	Cam & Lifter Kit	(1)	1840M	Camshaft Bearing Set
MK-692A			(1)	224-4152	Oil Pump	(1)	KT3-507S	Timing Set - 3 Pc.	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	E-414K	Premium Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	224-4154G	Oil Pump	(1)	KC-785C	Cam, Lifter & Follower Kit
(1)	6-3750P	Connecting Rod Bearing Set	MK-7002			(1)	381-8009	Brass Expansion Plug Kit	(1)	222-153	Timing Belt
(1)	260-1101	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	MK-7032			(1)	224-4168	Oil Pump
(1)	5085MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-465K	Premium Piston Ring Set	(1)	381-8050	Brass Expansion Plug Kit
(1)	1791M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit	(1)	4-1035CP	Connecting Rod Bearing Set	MK-7062		
(1)	KC-712	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	260-1437	Gasket Kit	(1)	E-178K	Premium Piston Ring Set
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	5130M	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	224-4146	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	1494M	Camshaft Bearing Set	(1)	260-1430	Gasket Kit
(1)	381-8049	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KC-788	Cam & Lifter Kit	(1)	5095MA	Main Bearing Set
MK-694B			(1)	224-4148	Oil Pump	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set
(1)	E-236K	Premium Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	224-41100	Oil Pump	(1)	KC-1565	Cam & Lifter Kit
(1)	8-3045A	Connecting Rod Bearing Set	MK-7003			(1)	381-8063	Brass Expansion Plug Kit	(1)	KT3-380S	Timing Set - 3 Pc.
(1)	260-1103	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	MK-7033			(1)	224-4166	Oil Pump
(1)	4281M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-446K	Premium Piston Ring Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1466M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit	(1)	6-1220RA	Connecting Rod Bearing Set	MK-713A		
(1)	KC-698	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	260-1556	Gasket Kit	(1)	E-286K	Premium Piston Ring Set
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	7011MA	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	224-41203	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	1843M	Camshaft Bearing Set	(1)	260-1121	Gasket Kit
(1)	381-8037	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KC-787	Cam & Lifter Kit	(1)	4923MA	Main Bearing Set
MK-695B			(1)	224-4152	Oil Pump	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set
(1)	E-378K	Premium Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	224-43636S	Oil Pump	(1)	KC-644	Cam & Lifter Kit
(1)	8-3045A	Connecting Rod Bearing Set	MK-7004			(1)	381-8072	Brass Expansion Plug Kit	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	260-1104	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	MK-7044			(1)	224-4166	Oil Pump
(1)	4281M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-458K	Premium Piston Ring Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1466M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	MK-715A		
(1)	KC-707	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	260-1445	Gasket Kit	(1)	E-301K	Premium Piston Ring Set
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	4125MA	Main Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set
(1)	224-41203	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	1204M	Camshaft Bearing Set	(1)	260-1151	Gasket Kit
(1)	381-8047	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KC-759	Cam & Lifter Kit	(1)	5037M	Main Bearing Set
MK-699D			(1)	224-4148V	Oil Pump	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	1401M	Camshaft Bearing Set
(1)	E-411K	Premium Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	224-41118	Oil Pump	(1)	KC-646	Cam & Lifter Kit
(1)	6-4020A	Connecting Rod Bearing Set	MK-7011			(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-369S	Timing Set - 3 Pc.
(1)	260-1123	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	MK-7044			(1)	224-51285	Oil Pump Repair Kit
(1)	5090MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-450K	Premium Piston Ring Set	(1)	381-8001	Brass Expansion Plug Kit
(1)	1492M	Camshaft Bearing Set	(1)	260-1240	Gasket Kit	(1)	4-3310CPA	Connecting Rod Bearing Set	MK-716A		
(1)	KC-715	Cam & Lifter Kit	(1)	5085MA	Main Bearing Set	(1)	260-1192	Gasket Kit	(1)	E-222K	Premium Piston Ring Set
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1463M	Camshaft Bearing Set	(1)	6676M	Main Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	224-4148	Oil Pump	(1)	KC-783	Cam & Lifter Kit	(1)	1244M	Camshaft Bearing Set	(1)	260-1134	Gasket Kit
(1)	381-8046	Brass Expansion Plug Kit	(1)	KT3-499SA6	Timing Set - 3 Pc.	(1)	KC-779	Cam & Lifter Kit	(1)	4289M	Main Bearing Set
MK-699E			(1)	224-4146	Oil Pump	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	1244M	Camshaft Bearing Set
(1)	E-411K	Premium Piston Ring Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	224-41198	Oil Pump	(1)	KC-713	Cam & Lifter Kit
(cont'd. next column)						(1)	381-8086	Brass Expansion Plug Kit	(1)	KT3-494S	Timing Set - 3 Pc.
									(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-716A (cont'd.)			MK-718F (cont'd.)			MK-728L (cont'd.)			MK-743A (cont'd.)		
(1)	224-41198	Oil Pump	(1)	KC-1556	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	260-1121	Gasket Kit
(1)	381-8000	Brass Expansion Plug Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	5024MA	Main Bearing Set
MK-717A			(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-645	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	MK-718H			(1)	381-8046	Brass Expansion Plug Kit	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	260-1153	Gasket Kit	(1)	E-178K	Premium Piston Ring Set	MK-728M			(1)	224-4166	Oil Pump
(1)	4923MA	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-744C		
(1)	KC-645	Cam & Lifter Kit	(1)	5095MA	Main Bearing Set	(1)	260-1144	Gasket Kit	(1)	E-178K	Premium Piston Ring Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set	(1)	5090MA	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	260-1154	Gasket Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4166	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	5024MA	Main Bearing Set
MK-717C			(1)	381-8010	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	MK-724A			(1)	224-4148	Oil Pump	(1)	KC-645	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-369K	Premium Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	260-1153	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set	MK-728N			(1)	224-4166	Oil Pump
(1)	5024MA	Main Bearing Set	(1)	260-1149	Gasket Kit	(1)	E-432K	Premium Piston Ring Set	(1)	381-8010	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	7144MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	MK-746C		
(1)	KC-645	Cam & Lifter Kit	(1)	1462M	Camshaft Bearing Set	(1)	260-1144	Gasket Kit	(1)	E-425KC 1.00MM	Premium Piston Ring Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KC-702	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set	(1)	260-1156	Gasket Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-518	Oil Pump Repair Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	6618M	Main Bearing Set
MK-718A			(1)	381-8035	Brass Expansion Plug Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	CS-769	Camshaft
(1)	E-178K	Premium Piston Ring Set	MK-724F			(1)	224-4148	Oil Pump	(1)	KT-1014S	Timing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-369K	Premium Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	KT-1013S	Timing Set - Complete
(1)	260-1152	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set	MK-738C			(1)	224-41914	Oil Pump
(1)	5024MA	Main Bearing Set	(1)	260-1149	Gasket Kit	(1)	E-289K	Premium Piston Ring Set	(1)	381-8051	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	7144MA	Main Bearing Set	(1)	8-3320CP	Connecting Rod Bearing Set	MK-747C		
(1)	KC-645	Cam & Lifter Kit	(1)	1462M	Camshaft Bearing Set	(1)	260-1150	Gasket Kit	(1)	E-439KC	Premium Piston Ring Set
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-702	Cam & Lifter Kit	(1)	4664M	Main Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	1422M	Camshaft Bearing Set	(1)	260-1156	Gasket Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-518	Oil Pump Repair Kit	(1)	KC-586	Cam & Lifter Kit	(1)	6618M	Main Bearing Set
MK-718C			(1)	381-8073	Brass Expansion Plug Kit	(1)	KT3-498S	Timing Set - 3 Pc.	(1)	CS-769	Camshaft
(1)	E-178K	Premium Piston Ring Set	MK-727H			(1)	224-519	Oil Pump Repair Kit	(1)	KT-1014S	Timing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	(1)	381-8003	Brass Expansion Plug Kit	(1)	KT-1013S	Timing Set - Complete
(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-739A			(1)	224-41914	Oil Pump
(1)	5095MA	Main Bearing Set	(1)	260-1143	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8051	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	5090MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	MK-752A		
(1)	KC-645	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	(1)	E-352K	Premium Piston Ring Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KC-715	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set	(1)	260-1161	Gasket Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-633	Cam & Lifter Kit	(1)	4979M	Main Bearing Set
MK-718D			(1)	381-8046	Brass Expansion Plug Kit	(1)	221-2528S	Timing Gear Set	(1)	1443M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	MK-727K			(1)	224-4147	Oil Pump	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-739C			(1)	222-14	Timing Belt
(1)	5095MA	Main Bearing Set	(1)	260-1143	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	224-41160	Oil Pump
(1)	1484M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	KC-645	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	MK-753A		
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-715	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set	(1)	E-442KC	Premium Piston Ring Set
(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-677	Cam & Lifter Kit	(1)	260-1162	Gasket Kit
MK-718E			(1)	381-8046	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set	(1)	4979M	Main Bearing Set
(1)	E-178K	Premium Piston Ring Set	MK-728K			(1)	224-4147	Oil Pump	(1)	1443M	Camshaft Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-739D			(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	5095MA	Main Bearing Set	(1)	260-1144	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	222-14	Timing Belt
(1)	1484M	Camshaft Bearing Set	(1)	5090MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	224-41127	Oil Pump
(1)	KC-1556	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	(1)	381-8029	Brass Expansion Plug Kit
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set	MK-754A		
(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set	(1)	E-441K	Premium Piston Ring Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	KC-633	Cam & Lifter Kit	(4)	3545A	Connecting Rod Bearing Pair
MK-718F			(1)	381-8046	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set	(1)	260-1162	Gasket Kit
(1)	E-178K	Premium Piston Ring Set	MK-728L			(1)	224-4147	Oil Pump	(1)	4979M	Main Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	1443M	Camshaft Bearing Set
(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	MK-743A			(1)	1460M	Auxiliary Shaft Bearing Set
(1)	5095MA	Main Bearing Set	(1)	260-1144	Gasket Kit	(1)	E-178K	Premium Piston Ring Set	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	1484M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	222-14	Timing Belt
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(1)	224-41160V	Oil Pump
									(1)	381-8029	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-757A			MK-763A (cont'd.)			MK-858A (cont'd.)			MK-878C (cont'd.)		
(1)	E-415K	Premium Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	MK-765C			(1)	224-41198	Oil Pump	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	260-1166	Gasket Kit	(1)	E-229K	Premium Piston Ring Set	MK-859A			(1)	222-14	Timing Belt
(1)	7295MA	Main Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	E-450K	Premium Piston Ring Set	(1)	224-41160V	Oil Pump
(1)	1493M	Camshaft Bearing Set	(1)	260-1174	Gasket Kit	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	KC-733	Cam & Lifter Kit	(1)	4916M	Main Bearing Set	(1)	260-1192	Gasket Kit	MK-879A		
(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	1781M	Camshaft Bearing Set	(1)	6676M	Main Bearing Set	(1)	E-441K	Premium Piston Ring Set
(1)	224-51162	Oil Pump Repair Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	1244M	Camshaft Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	221-2764S	Timing Gear Set	(1)	KC-779	Cam & Lifter Kit	(1)	260-1206	Gasket Kit
MK-758A			(1)	224-41124	Oil Pump	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	4979M	Main Bearing Set
(1)	E-415K	Premium Piston Ring Set	(1)	381-8014	Brass Expansion Plug Kit	(1)	224-41198	Oil Pump	(1)	1443M	Camshaft Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	MK-768A			MK-860A			(1)	1460M	Auxiliary Shaft Bearing Set
(1)	260-1167	Gasket Kit	(1)	E-296K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	7295MA	Main Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	222-14	Timing Belt
(1)	1493M	Camshaft Bearing Set	(1)	260-1177	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	224-41160V	Oil Pump
(1)	KC-748	Cam & Lifter Kit	(1)	4907M	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	1414M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	MK-879C		
(1)	224-51162	Oil Pump Repair Kit	(1)	KC-648	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit	(1)	E-441K	Premium Piston Ring Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	4-3545A	Connecting Rod Bearing Set
MK-760A			(1)	224-41144	Oil Pump	(1)	224-41198	Oil Pump	(1)	260-1206	Gasket Kit
(1)	E-251K	Premium Piston Ring Set	(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit	(1)	4979M	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	MK-774A			MK-860C			(1)	1443M	Camshaft Bearing Set
(1)	260-1169	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	4125MA	Main Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	1204M	Camshaft Bearing Set	(1)	260-1189	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	222-14	Timing Belt
(1)	KC-668	Cam & Lifter Kit	(1)	5107M	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	224-41160V	Oil Pump
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	224-41118	Oil Pump	(1)	KC-674	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit	MK-880A		
(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-504S	Timing Set - 3 Pc.	(1)	E-441K	Premium Piston Ring Set
MK-761A			(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump	(1)	4-3545A	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit	(1)	260-1162	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	MK-774C			MK-868C			(1)	4979M	Main Bearing Set
(1)	260-1170	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set	(1)	1443M	Camshaft Bearing Set
(1)	5078MA	Main Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	260-1189	Gasket Kit	(1)	260-1276	Gasket Kit	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	KC-674	Cam & Lifter Kit	(1)	5078MA	Main Bearing Set	(1)	6678MA	Main Bearing Set	(1)	222-14	Timing Belt
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41160V	Oil Pump
(1)	224-41143	Oil Pump	(1)	KC-674	Cam & Lifter Kit	(1)	KC-775C	Cam, Lifter & Follower Kit	(1)	381-8029	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	222-71	Timing Belt	MK-882A		
MK-761C			(1)	224-41143	Oil Pump	(1)	224-4168	Oil Pump	(1)	E-465K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	4-2380CP	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	MK-830C			MK-869C			(1)	260-1208	Gasket Kit
(1)	260-1170	Gasket Kit	(1)	E-416KC	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set	(1)	5130M	Main Bearing Set
(1)	5078MA	Main Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	1494M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	260-1091	Gasket Kit	(1)	260-1093	Gasket Kit	(1)	KC-788	Cam & Lifter Kit
(1)	KC-764	Cam & Lifter Kit	(1)	7148M	Main Bearing Set	(1)	6678MA	Main Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	67332AF	Thrust Washer Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41100	Oil Pump
(1)	224-41143	Oil Pump	(1)	CS-719	Camshaft	(1)	KC-785C	Cam, Lifter & Follower Kit	MK-883A		
(1)	381-8015	Brass Expansion Plug Kit	(1)	KT-1019S	Timing Set - Complete	(1)	222-71	Timing Belt	(1)	E-465K	Premium Piston Ring Set
MK-761D			(1)	224-41902	Oil Pump	(1)	224-4168	Oil Pump	(1)	4-1035CP	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	260-1208	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	MK-854A			MK-878A			(1)	5130M	Main Bearing Set
(1)	260-1170	Gasket Kit	(1)	E-416KC	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set	(1)	1494M	Camshaft Bearing Set
(1)	5078MA	Main Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	KC-788	Cam & Lifter Kit
(1)	1204M	Camshaft Bearing Set	(1)	260-1188	Gasket Kit	(1)	260-1206	Gasket Kit	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	KC-764	Cam & Lifter Kit	(1)	7148M	Main Bearing Set	(1)	4979M	Main Bearing Set	(1)	224-41100	Oil Pump
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	67332AF	Thrust Washer Set	(1)	1443M	Camshaft Bearing Set	MK-884A		
(1)	224-41143	Oil Pump	(1)	CS-719	Camshaft	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	E-465K	Premium Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	KT-1020S	Timing Set - Complete	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	4-1035CP	Connecting Rod Bearing Set
MK-763A			(1)	224-41902	Oil Pump	(1)	222-14	Timing Belt	(1)	260-1208	Gasket Kit
(1)	E-352K	Premium Piston Ring Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	224-41127	Oil Pump	(1)	5130M	Main Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	MK-858A			(1)	381-8029	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set
(1)	260-1172	Gasket Kit	(1)	E-450K	Premium Piston Ring Set	MK-878C			(1)	KC-788	Cam & Lifter Kit
(1)	4979M	Main Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	E-442KC	Premium Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	1443M	Camshaft Bearing Set	(1)	260-1191	Gasket Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	224-41100	Oil Pump
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	6676M	Main Bearing Set	(1)	260-1206	Gasket Kit	(1)	381-8063	Brass Expansion Plug Kit
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	1244M	Camshaft Bearing Set	(1)	4979M	Main Bearing Set	MK-886A		
(1)	222-14	Timing Belt	(1)	KC-779	Cam & Lifter Kit	(1)	1443M	Camshaft Bearing Set	(1)	E-415K	Premium Piston Ring Set
(1)	224-41160	Oil Pump	(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MK-886A (cont'd.)			MKF-6003A (cont'd.)			MKF-6038C			MKF-613E (cont'd.)		
(1)	6-3830CPA	Connecting Rod Bearing Set	(8)	L-2404F	Power Forged Piston	(1)	E-251K	Premium Piston Ring Set	(1)	4400MA	Main Bearing Set
(1)	260-1211	Gasket Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	8-2555CP	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	7295MA	Main Bearing Set	MKF-6023A			(1)	260-1269	Gasket Kit	(1)	KC-774	Cam & Lifter Kit
(1)	1493M	Camshaft Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	4663M	Main Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.
(1)	KC-748	Cam & Lifter Kit	(1)	8-2555CP	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	224-4154	Oil Pump
(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	260-1244	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(8)	L-2377F	Power Forged Piston
(1)	224-51162	Oil Pump Repair Kit	(1)	4663M	Main Bearing Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	381-8009	Brass Expansion Plug Kit
(1)	381-8053	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKF-6151A		
MK-888A			(1)	KC-766	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	E-251K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.	MKF-6038D			(1)	8-2555CP	Connecting Rod Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	260-1478	Gasket Kit
(1)	260-1213A	Gasket Kit	(8)	L-2486F 30	Power Forged Piston	(1)	8-2555CP	Connecting Rod Bearing Set	(1)	4663M	Main Bearing Set
(1)	4125MA	Main Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1269	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	MKF-6024C			(1)	KC-808	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.
(1)	KC-761	Cam & Lifter Kit	(1)	E-356K	Premium Piston Ring Set	(1)	KT3-4SR46	Timing Set - 3 Pc.	(1)	224-4146A	Oil Pump
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	8-2555CP	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(8)	L-2403NF	Power Forged Piston
(1)	224-41118	Oil Pump	(1)	260-1243	Gasket Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	4663M	Main Bearing Set	MKF-6086C			MKF-627C		
MK-891A			(1)	1235M	Camshaft Bearing Set	(1)	E-233K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	E-476K	Premium Piston Ring Set	(1)	KC-766	Cam & Lifter Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-3380CPA	Connecting Rod Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1418	Gasket Kit	(1)	260-1126	Gasket Kit
(1)	260-1214	Gasket Kit	(1)	224-4146	Oil Pump	(1)	4400MA	Main Bearing Set	(1)	5078M	Main Bearing Set
(1)	4979M	Main Bearing Set	(8)	L-2486F 30	Power Forged Piston	(1)	1404M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	1443M	Camshaft Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	KC-774	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit
(1)	1460M	Auxiliary Shaft Bearing Set	MKF-6024D			(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	E-356K	Premium Piston Ring Set	(1)	224-4154G	Oil Pump	(1)	224-41143	Oil Pump
(1)	222-14	Timing Belt	(1)	8-2555CP	Connecting Rod Bearing Set	(8)	L-2377F	Power Forged Piston	(8)	L-2446F	Power Forged Piston
(1)	224-41160	Oil Pump	(1)	260-1243	Gasket Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	381-8029	Brass Expansion Plug Kit	(1)	4663M	Main Bearing Set	MKF-6115A			MKF-627D		
MK-896A			(1)	1235M	Camshaft Bearing Set	(1)	E-458K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	E-442KC	Premium Piston Ring Set	(1)	KC-711	Cam & Lifter Kit	(1)	8-2600CP	Connecting Rod Bearing Set	(1)	8-3380CPA	Connecting Rod Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1445	Gasket Kit	(1)	260-1126	Gasket Kit
(1)	260-1218	Gasket Kit	(1)	224-4146	Oil Pump	(1)	4125M	Main Bearing Set	(1)	5078M	Main Bearing Set
(1)	4979M	Main Bearing Set	(8)	L-2486F 30	Power Forged Piston	(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	1443M	Camshaft Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	KC-760	Cam & Lifter Kit	(1)	KC-764	Cam & Lifter Kit
(1)	1460M	Auxiliary Shaft Bearing Set	MKF-6037A			(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	E-251K	Premium Piston Ring Set	(1)	224-41118	Oil Pump	(1)	224-41143	Oil Pump
(1)	222-14	Timing Belt	(1)	8-2555CP	Connecting Rod Bearing Set	(8)	L-2488F	Power Forged Piston	(8)	L-2446F	Power Forged Piston
(1)	224-41127	Oil Pump	(1)	260-1268	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	381-8029	Brass Expansion Plug Kit	(1)	4663M	Main Bearing Set	MKF-6116A			MKF-630C		
MK-898A			(1)	1235M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	E-481K	Premium Piston Ring Set	(1)	KC-274	Cam & Lifter Kit	(1)	8-3380CPA	Connecting Rod Bearing Set	(1)	8-2555CP	Connecting Rod Bearing Set
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1446	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	260-1220	Gasket Kit	(1)	224-4146	Oil Pump	(1)	5078M	Main Bearing Set	(1)	4663M	Main Bearing Set
(1)	6101MA	Main Bearing Set	(8)	L-2403NF	Power Forged Piston	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	1838M	Camshaft Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	KC-764	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	KC-814	Cam & Lifter Kit	MKF-6037C			(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	KT3-60S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	224-41143	Oil Pump	(1)	224-4146	Oil Pump
(1)	224-43431	Oil Pump	(1)	8-2555CP	Connecting Rod Bearing Set	(8)	L-2446F	Power Forged Piston	(8)	L-2403NF	Power Forged Piston
(1)	381-8064	Brass Expansion Plug Kit	(1)	260-1268	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
MK-898C			(1)	4663M	Main Bearing Set	MKF-613C			MKF-630D		
(1)	E-481K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	E-233K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-2555CP	Connecting Rod Bearing Set
(1)	260-1220	Gasket Kit	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	260-1009	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	7245MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	4400MA	Main Bearing Set	(1)	4663M	Main Bearing Set
(1)	1838M	Camshaft Bearing Set	(8)	L-2403NF	Power Forged Piston	(1)	1404M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-814	Cam & Lifter Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	KC-660	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-60S	Timing Set - 3 Pc.	MKF-6038A			(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-43431	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	224-4154	Oil Pump	(1)	224-4146	Oil Pump
(1)	381-8064	Brass Expansion Plug Kit	(1)	8-2555CP	Connecting Rod Bearing Set	(8)	L-2377F	Power Forged Piston	(8)	L-2256F	Power Forged Piston
MK-898C			(1)	260-1269	Gasket Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
(1)	E-481K	Premium Piston Ring Set	(1)	4663M	Main Bearing Set	MKF-613E			MKF-630F		
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	E-233K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	260-1223	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-2555CP	Connecting Rod Bearing Set
(1)	4907M	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1009	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	1414M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	E-233K	Premium Piston Ring Set	(1)	4663M	Main Bearing Set
(1)	KC-648	Cam & Lifter Kit	(8)	L-2403NF	Power Forged Piston	(1)	8-3190A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	260-1009	Gasket Kit	(1)	KC-274	Cam & Lifter Kit
(1)	224-41144	Oil Pump	MKF-6003A			MKF-613E			(1)	KT3-163S	Timing Set - 3 Pc.
(cont'd. next column)			(1)	E-296K	Premium Piston Ring Set	(cont'd. next column)			(cont'd. next page)		
			(1)	8-3360CPA	Connecting Rod Bearing Set						
			(1)	260-1223	Gasket Kit						
			(1)	4907M	Main Bearing Set						
			(1)	1414M	Camshaft Bearing Set						
			(1)	KC-648	Cam & Lifter Kit						
			(1)	KT3-491S	Timing Set - 3 Pc.						
			(1)	224-41144	Oil Pump						

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKF-630F (cont'd.)			MKF-658C			MKF-761D (cont'd.)			MKP-1007A (cont'd.)		
(1)	224-4146	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	5078M	Main Bearing Set	(1)	224-41239	Oil Pump
(8)	L-2403NF	Power Forged Piston	(1)	8-2555CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(4)	H547P	Cast Piston
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1045	Gasket Kit	(1)	KC-764	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit
MKF-637F			(1)	4663M	Main Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.	MKP-1008A		
(1)	E-296K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	(1)	E-384X	Standard Piston Ring Set
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(8)	L-2446F	Power Forged Piston	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1013	Gasket Kit	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1229	Gasket Kit
(1)	4907M	Main Bearing Set	(1)	224-4146	Oil Pump	MKF-768A			(1)	6690MA	Main Bearing Set
(1)	1414M	Camshaft Bearing Set	(8)	L-2403NF	Power Forged Piston	(1)	E-296K	Premium Piston Ring Set	(1)	1756M	Camshaft Bearing Set
(1)	KC-648	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	KC-781	Cam & Lifter Kit
(1)	KT3-491S	Timing Set - 3 Pc.	MKF-660A			(1)	260-1177	Gasket Kit	(1)	221-2544S	Timing Gear Set
(1)	224-41144	Oil Pump	(1)	E-233K	Premium Piston Ring Set	(1)	4907M	Main Bearing Set	(1)	224-41239	Oil Pump
(8)	L-2404F	Power Forged Piston	(1)	8-3190A	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set	(4)	H547P	Cast Piston
(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1046	Gasket Kit	(1)	KC-648	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit
MKF-648D			(1)	4400MA	Main Bearing Set	(1)	KT3-491S	Timing Set - 3 Pc.	MKP-1009A		
(1)	E-356K	Premium Piston Ring Set	(1)	1404M	Camshaft Bearing Set	(1)	224-41144	Oil Pump	(1)	E-450X	Standard Piston Ring Set
(1)	8-2555CP	Connecting Rod Bearing Set	(1)	KC-774	Cam & Lifter Kit	(8)	L-2404F	Power Forged Piston	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	260-1024	Gasket Kit	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1230	Gasket Kit
(1)	4663M	Main Bearing Set	(1)	224-4154	Oil Pump	MKF-774C			(1)	4123MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(8)	L-2377F	Power Forged Piston	(1)	E-251K	Premium Piston Ring Set	(1)	1202M	Camshaft Bearing Set
(1)	KC-711	Cam & Lifter Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	8-3380CPA	Connecting Rod Bearing Set	(1)	KC-708A	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	MKF-724D			(1)	260-1189	Gasket Kit	(1)	221-2525S	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	E-434K	Premium Piston Ring Set	(1)	5078M	Main Bearing Set	(1)	224-4147	Oil Pump
(8)	L-2486F 30	Power Forged Piston	(1)	6-3755A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(4)	1108P	Cast Piston
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1149	Gasket Kit	(1)	KC-674	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit
MKF-653D			(1)	7144MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	MKP-101C		
(1)	E-251K	Premium Piston Ring Set	(1)	1462M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	(1)	E-180X	Standard Piston Ring Set
(1)	8-2600CP	Connecting Rod Bearing Set	(1)	KC-702	Cam & Lifter Kit	(8)	L-2446F	Power Forged Piston	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	260-1125	Gasket Kit	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1035	Gasket Kit
(1)	4125M	Main Bearing Set	(1)	224-518	Oil Pump Repair Kit	MKF-888A			(1)	4261M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(6)	L-2481F	Power Forged Piston	(1)	E-251K	Premium Piston Ring Set	(1)	1445M	Camshaft Bearing Set
(1)	KC-560	Cam & Lifter Kit	(1)	381-8035	Brass Expansion Plug Kit	(1)	8-2600CP	Connecting Rod Bearing Set	(1)	KC-643	Cam & Lifter Kit
(1)	KT3-358S	Timing Set - 3 Pc.	MKF-760A			(1)	260-1213A	Gasket Kit	(1)	KT3-494SA1	Timing Set - 3 Pc.
(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	4125M	Main Bearing Set	(1)	224-41177	Oil Pump
(8)	L-2305F	Power Forged Piston	(1)	8-2600CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(8)	H304P	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1169	Gasket Kit	(1)	KC-761	Cam & Lifter Kit	(1)	381-8017	Brass Expansion Plug Kit
MKF-653F			(1)	4125M	Main Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.	MKP-1002A		
(1)	E-251K	Premium Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	(1)	E-458X	Standard Piston Ring Set
(1)	8-2600CP	Connecting Rod Bearing Set	(1)	KC-668	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	260-1125	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	MKP-1007A			(1)	260-1169	Gasket Kit
(1)	4125M	Main Bearing Set	(1)	224-41118	Oil Pump	(1)	4125MA	Main Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(8)	L-2482F	Power Forged Piston	(1)	KC-668	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	KC-560	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-494SA1	Timing Set - 3 Pc.
(1)	KT3-358SA	Timing Set - 3 Pc.	MKF-761A			(1)	224-41118	Oil Pump	(1)	224-41173	Oil Pump
(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(8)	L-2482F	Power Forged Piston	(8)	H304P	Cast Piston
(8)	L-2305F	Power Forged Piston	(1)	8-3380CPA	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1170	Gasket Kit	MKP-1002A			MKP-101D		
MKF-653H			(1)	5078M	Main Bearing Set	(1)	E-458X	Standard Piston Ring Set	(1)	E-180X	Standard Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	8-2600CP	Connecting Rod Bearing Set	(1)	KC-674	Cam & Lifter Kit	(1)	260-1169	Gasket Kit	(1)	260-1035	Gasket Kit
(1)	260-1125	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	4125MA	Main Bearing Set	(1)	4261M	Main Bearing Set
(1)	4125M	Main Bearing Set	(1)	224-41143	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(8)	L-2446F	Power Forged Piston	(1)	KC-668	Cam & Lifter Kit	(1)	KC-643	Cam & Lifter Kit
(1)	KC-668	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-494SA1	Timing Set - 3 Pc.
(1)	KT3-358SA	Timing Set - 3 Pc.	MKF-761C			(1)	224-41118	Oil Pump	(1)	224-41177	Oil Pump
(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(8)	L-2482F	Power Forged Piston	(8)	H304P	Cast Piston
(8)	L-2482F	Power Forged Piston	(1)	8-3380CPA	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1170	Gasket Kit	MKP-1003A			MKP-101E		
MKF-658A			(1)	5078M	Main Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-180X	Standard Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	8-2555CP	Connecting Rod Bearing Set	(1)	KC-764	Cam & Lifter Kit	(1)	260-1223	Gasket Kit	(1)	260-1035	Gasket Kit
(1)	260-1045	Gasket Kit	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	4907M	Main Bearing Set	(1)	4261M	Main Bearing Set
(1)	4663M	Main Bearing Set	(1)	224-41143	Oil Pump	(1)	1414M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(8)	L-2446F	Power Forged Piston	(1)	KC-648	Cam & Lifter Kit	(1)	KC-643	Cam & Lifter Kit
(1)	KC-274	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-494SA1	Timing Set - 3 Pc.
(1)	KT3-499S	Timing Set - 3 Pc.	MKF-761D			(1)	224-41144	Oil Pump	(1)	224-41173	Oil Pump
(1)	224-4146	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(8)	H418P	Cast Piston	(8)	381NP	Cast Piston
(8)	L-2403NF	Power Forged Piston	(1)	8-3380CPA	Connecting Rod Bearing Set	(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8017	Brass Expansion Plug Kit
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1170	Gasket Kit	MKP-1007A			MKP-101F		
						(1)	E-384X	Standard Piston Ring Set	(1)	E-180X	Standard Piston Ring Set
						(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
						(1)	260-1228	Gasket Kit	(1)	260-1035	Gasket Kit
						(1)	6689MA	Main Bearing Set	(1)	4261M	Main Bearing Set
						(1)	1461M	Camshaft Bearing Set	(1)	1445M	Camshaft Bearing Set
						(1)	KC-782	Cam & Lifter Kit	(1)	KC-643	Cam & Lifter Kit
						(1)	221-2542LS	Timing Gear Set	(1)	KT3-494SA1	Timing Set - 3 Pc.
									(1)	224-41173	Oil Pump
									(8)	381NP	Cast Piston
									(1)	381-8017	Brass Expansion Plug Kit
									</		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-101M			MKP-1012E (cont'd.)			MKP-1024D (cont'd.)			MKP-103C		
(1)	E-180X	Standard Piston Ring Set	(1)	7242MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	E-196X	Standard Piston Ring Set
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	1492M	Camshaft Bearing Set	(8)	534NP	Cast Piston	(1)	6-3695RA	Connecting Rod Bearing Set
(1)	260-1035	Gasket Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	260-1004	Gasket Kit
(1)	4261M	Main Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.	MKP-1026A			(1)	5070M	Main Bearing Set
(1)	1445M	Camshaft Bearing Set	(1)	224-4148	Oil Pump	(1)	E-356X	Standard Piston Ring Set	(1)	1473M	Camshaft Bearing Set
(1)	KC-643	Cam & Lifter Kit	(6)	531P	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-380	Cam & Lifter Kit
(1)	KT3-494SA3	Timing Set - 3 Pc.	(1)	381-8046	Brass Expansion Plug Kit	(1)	260-1246	Gasket Kit	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	224-41173	Oil Pump	MKP-1019A			(1)	4663MA	Main Bearing Set	(1)	224-4165C	Oil Pump
(8)	381NP	Cast Piston	(1)	E-459X	Standard Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(6)	244NP	Cast Piston
(1)	381-8017	Brass Expansion Plug Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	KC-766	Cam & Lifter Kit	(1)	381-8012	Brass Expansion Plug Kit
MKP-101N			(1)	260-1239	Gasket Kit	MKP-1026C			MKP-1036A		
(1)	E-180X	Standard Piston Ring Set	(1)	5085MA	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set
(1)	260-1035	Gasket Kit	(1)	KC-756	Cam & Lifter Kit	(1)	260-1246	Gasket Kit	(1)	260-1267	Gasket Kit
(1)	4261M	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
(1)	1445M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-643	Cam & Lifter Kit	(6)	640P	Cast Piston	(1)	KC-793	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	381-8049	Brass Expansion Plug Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	224-41173	Oil Pump	MKP-102A			(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(8)	H395P	Cast Piston	(1)	E-196X	Standard Piston Ring Set	(8)	536NP	Cast Piston	(6)	H909P	Cast Piston
(1)	381-8017	Brass Expansion Plug Kit	(1)	6-2375CP	Connecting Rod Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
MKP-101P			(1)	260-1004	Gasket Kit	MKP-1026E			MKP-1037A		
(1)	E-180X	Standard Piston Ring Set	(1)	4092M	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	1454M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1035	Gasket Kit	(1)	KC-380	Cam & Lifter Kit	(1)	260-1246	Gasket Kit	(1)	260-1268	Gasket Kit
(1)	4261M	Main Bearing Set	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1445M	Camshaft Bearing Set	(1)	224-4165C	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-643	Cam & Lifter Kit	(6)	244NP	Cast Piston	(1)	KC-711	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-494SA3	Timing Set - 3 Pc.	(1)	381-8012	Brass Expansion Plug Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-41173	Oil Pump	MKP-1020A			(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump
(8)	H395P	Cast Piston	(1)	E-459X	Standard Piston Ring Set	(8)	536NP	Cast Piston	(8)	423NP	Cast Piston
(1)	381-8017	Brass Expansion Plug Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
MKP-1010A			(1)	260-1240	Gasket Kit	MKP-1027A			MKP-1037C		
(1)	E-450X	Standard Piston Ring Set	(1)	5085MA	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	4-2020CP	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1231	Gasket Kit	(1)	KC-756	Cam & Lifter Kit	(1)	260-1247	Gasket Kit	(1)	260-1268	Gasket Kit
(1)	4123MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1202M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-708A	Cam & Lifter Kit	(6)	640P	Cast Piston	(1)	KC-793	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	221-2525S	Timing Gear Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	MKP-1021A			(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump
(4)	1108P	Cast Piston	(1)	E-459X	Standard Piston Ring Set	(8)	536NP	Cast Piston	(8)	423NP	Cast Piston
(1)	381-8006	Brass Expansion Plug Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
MKP-1011B			(1)	260-1241	Gasket Kit	MKP-1027C			MKP-104A		
(1)	E-432X	Standard Piston Ring Set	(1)	5085MA	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set
(1)	260-1232	Gasket Kit	(1)	KC-783	Cam & Lifter Kit	(1)	260-1247	Gasket Kit	(1)	260-1038	Gasket Kit
(1)	7242MA	Main Bearing Set	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	5070M	Main Bearing Set
(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set
(1)	KC-1539	Cam & Lifter Kit	(6)	640P	Cast Piston	(1)	KC-808	Cam & Lifter Kit	(1)	KC-709	Cam & Lifter Kit
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8058	Brass Expansion Plug Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	224-4148	Oil Pump	MKP-1024C			(1)	224-4146	Oil Pump	(1)	224-4165C	Oil Pump
(6)	516P	Cast Piston	(1)	E-356X	Standard Piston Ring Set	(8)	534NP	Cast Piston	(6)	244NP	Cast Piston
(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit
MKP-1011C			(1)	260-1243	Gasket Kit	MKP-1027C			MKP-104A		
(1)	E-432X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set
(1)	260-1232	Gasket Kit	(1)	KC-766	Cam & Lifter Kit	(1)	260-1247	Gasket Kit	(1)	260-1038	Gasket Kit
(1)	7242MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4663MA	Main Bearing Set	(1)	5070M	Main Bearing Set
(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	1235M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set
(1)	KC-1539	Cam & Lifter Kit	(8)	534NP	Cast Piston	(1)	KC-808	Cam & Lifter Kit	(1)	KC-709	Cam & Lifter Kit
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	224-4152	Oil Pump	MKP-1024D			(1)	224-4146	Oil Pump	(1)	224-4165C	Oil Pump
(6)	516P	Cast Piston	(1)	E-356X	Standard Piston Ring Set	(8)	536NP	Cast Piston	(6)	244NP	Cast Piston
(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
MKP-1012E			(1)	260-1243	Gasket Kit	MKP-103A			MKP-105D		
(1)	E-478X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	E-196X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set
(1)	260-1233	Gasket Kit	(1)	KC-711	Cam & Lifter Kit	(1)	260-1004	Gasket Kit	(1)	260-1002	Gasket Kit
		(cont'd. next column)	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	5070M	Main Bearing Set	(1)	4222M	Main Bearing Set
						(1)	1454M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set
						(1)	KC-380	Cam & Lifter Kit	(1)	KC-261	Cam & Lifter Kit
						(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-351S	Timing Set - 3 Pc.
						(1)	224-4165C	Oil Pump	(1)	224-41146	Oil Pump
						(6)	244NP	Cast Piston	(6)	302NP	Cast Piston
						(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
						MKP-105G			MKP-105G		
						(1)	E-197X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set
						(1)	6-2380CP	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set
						(1)	260-1002	Gasket Kit	(1)	260-1002	Gasket Kit
								(cont'd. next page)			

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-105G (cont'd.)			MKP-107B (cont'd.)			MKP-1093A			MKP-1103C (cont'd.)		
(1)	4222M	Main Bearing Set	(1)	224-4147	Oil Pump	(1)	E-454X	Standard Piston Ring Set	(1)	6695MA	Main Bearing Set
(1)	1439M	Camshaft Bearing Set	(6)	H909P	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	KC-790	Cam & Lifter Kit
(1)	KC-448	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1425	Gasket Kit	(1)	222-67	Timing Belt
(1)	KT3-351S	Timing Set - 3 Pc.	MKP-108A			(1)	6678MA	Main Bearing Set	(1)	224-41972	Oil Pump
(1)	224-41146	Oil Pump	(1)	E-219X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	(4)	H529P	Cast Piston
(6)	302NP	Cast Piston	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	MKP-1106A		
(1)	381-8013	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit	(1)	222-153	Timing Belt	(1)	E-465X	Standard Piston Ring Set
MKP-106A			(1)	4290M	Main Bearing Set	(1)	224-4168	Oil Pump	(1)	4-1035CP	Connecting Rod Bearing Set
(1)	E-217X	Standard Piston Ring Set	(1)	1439M	Camshaft Bearing Set	(1)	527P	Cast Piston	(1)	260-1436	Gasket Kit
(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-448	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	5130M	Main Bearing Set
(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.	MKP-1093C			(1)	1494M	Camshaft Bearing Set
(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump	(1)	E-454X	Standard Piston Ring Set	(1)	KC-788	Cam & Lifter Kit
(1)	1203M	Camshaft Bearing Set	(6)	275NP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	KC-551	Cam & Lifter Kit	(1)	381-8013	Brass Expansion Plug Kit	(1)	260-1425	Gasket Kit	(1)	224-41100	Oil Pump
(1)	221-2528S	Timing Gear Set	MKP-108C			(1)	6678MA	Main Bearing Set	(4)	489P	Cast Piston
(1)	224-4147	Oil Pump	(1)	E-219X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	MKP-1107A		
(6)	H909P	Cast Piston	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-465X	Standard Piston Ring Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit	(1)	222-153	Timing Belt	(1)	4-1035CP	Connecting Rod Bearing Set
MKP-106C			(1)	4290M	Main Bearing Set	(1)	224-4168	Oil Pump	(1)	260-1437	Gasket Kit
(1)	E-217X	Standard Piston Ring Set	(1)	1439M	Camshaft Bearing Set	(4)	571CP	Cast Piston	(1)	5130M	Main Bearing Set
(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-658	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set
(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.	MKP-1097A			(1)	KC-788	Cam & Lifter Kit
(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump	(1)	E-454X	Standard Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	1557M	Camshaft Bearing Set	(1)	275NP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	224-41100	Oil Pump
(1)	KC-551	Cam & Lifter Kit	(1)	381-8013	Brass Expansion Plug Kit	(1)	260-1427	Gasket Kit	(4)	489P	Cast Piston
(1)	221-2528S	Timing Gear Set	MKP-108D			(1)	6678MA	Main Bearing Set	MKP-1110A		
(1)	224-4147	Oil Pump	(1)	E-219X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-446X	Standard Piston Ring Set
(6)	H909P	Cast Piston	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1002	Gasket Kit	(1)	222-132	Timing Belt	(1)	260-1210	Gasket Kit
MKP-106D			(1)	5071M	Main Bearing Set	(1)	224-4168	Oil Pump	(1)	7011MA	Main Bearing Set
(1)	E-217X	Standard Piston Ring Set	(1)	1439M	Camshaft Bearing Set	(4)	533P	Cast Piston	(1)	1843M	Camshaft Bearing Set
(6)	2555A	Connecting Rod Bearing Pair	(1)	KC-658	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	KC-787	Cam & Lifter Kit
(1)	260-1005	Gasket Kit	(1)	KT3-351S	Timing Set - 3 Pc.	MKP-1098A			(1)	KT3-374S	Timing Set - 3 Pc.
(1)	4124MA	Main Bearing Set	(1)	224-41146	Oil Pump	(1)	E-536X	Standard Piston Ring Set	(1)	224-41101	Oil Pump
(1)	1203M	Camshaft Bearing Set	(1)	275NP	Cast Piston	(1)	6-1460A	Connecting Rod Bearing Set	(6)	H497P	Cast Piston
(1)	KC-551	Cam & Lifter Kit	(1)	381-8013	Brass Expansion Plug Kit	(1)	260-1428	Gasket Kit	(1)	381-8072	Brass Expansion Plug Kit
(1)	221-2528S	Timing Gear Set	MKP-1086C			(1)	7050MA	Main Bearing Set	MKP-1111A		
(1)	224-4147	Oil Pump	(1)	E-233X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	(1)	E-471X	Standard Piston Ring Set
(6)	H909P	Cast Piston	(1)	8-3190A	Connecting Rod Bearing Set	(1)	KC-842	Cam & Lifter Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1418	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1441	Gasket Kit
MKP-106E			(1)	4400MA	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	7295MA	Main Bearing Set
(1)	E-217X	Standard Piston Ring Set	(1)	1404M	Camshaft Bearing Set	(6)	656P	Cast Piston	(1)	1886M	Camshaft Bearing Set
(6)	2555A	Connecting Rod Bearing Pair	(1)	KC-774	Cam & Lifter Kit	(1)	381-8061	Brass Expansion Plug Kit	(1)	KC-786	Cam & Lifter Kit
(1)	260-1005	Gasket Kit	(1)	KT3-501SA	Timing Set - 3 Pc.	MKP-1098C			(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	4124MA	Main Bearing Set	(1)	224-4154G	Oil Pump	(1)	E-536X	Standard Piston Ring Set	(1)	224-51380	Oil Pump Repair Kit
(1)	1557M	Camshaft Bearing Set	(8)	H518CP	Cast Piston	(1)	6-1460A	Connecting Rod Bearing Set	(6)	H523P	Cast Piston
(1)	KC-551	Cam & Lifter Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	260-1428	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	221-2528S	Timing Gear Set	MKP-1087A			(1)	7050MA	Main Bearing Set	MKP-1111C		
(1)	224-4147	Oil Pump	(1)	E-229X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	(1)	E-471X	Standard Piston Ring Set
(6)	H909P	Cast Piston	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	KC-829	Cam & Lifter Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1420	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1441	Gasket Kit
MKP-107A			(1)	4916M	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	7295MA	Main Bearing Set
(1)	E-217X	Standard Piston Ring Set	(1)	1781M	Camshaft Bearing Set	(6)	656P	Cast Piston	(1)	1886M	Camshaft Bearing Set
(1)	6-2555A	Connecting Rod Bearing Set	(1)	KC-1230	Cam & Lifter Kit	(1)	381-8061	Brass Expansion Plug Kit	(1)	KC-786	Cam & Lifter Kit
(1)	260-1044	Gasket Kit	(1)	221-2764S	Timing Gear Set	MKP-1099C			(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	4124MA	Main Bearing Set	(1)	224-41124	Oil Pump	(1)	E-536X	Standard Piston Ring Set	(1)	224-43567	Oil Pump
(1)	1557M	Camshaft Bearing Set	(6)	H519P	Cast Piston	(1)	6-1460A	Connecting Rod Bearing Set	(6)	H523P	Cast Piston
(1)	KC-551	Cam & Lifter Kit	(1)	381-8071	Brass Expansion Plug Kit	(1)	260-1429	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	221-2528S	Timing Gear Set	MKP-1092A			(1)	7050MA	Main Bearing Set	MKP-1112B		
(1)	224-4147	Oil Pump	(1)	E-234X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	(1)	E-471X	Standard Piston Ring Set
(6)	H909P	Cast Piston	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	KC-1501	Cam & Lifter Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1424	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1442	Gasket Kit
MKP-107B			(1)	4289M	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	7295MA	Main Bearing Set
(1)	E-217X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(6)	656P	Cast Piston	(1)	1886M	Camshaft Bearing Set
(6)	2555A	Connecting Rod Bearing Pair	(1)	KC-809	Cam & Lifter Kit	(1)	381-8061	Brass Expansion Plug Kit	(1)	KC-860	Cam & Lifter Kit
(1)	260-1044	Gasket Kit	(1)	KT3-4SR48	Timing Set - 3 Pc.	MKP-1103C			(1)	KT3-365SA1	Timing Set - 3 Pc.
(1)	4124MA	Main Bearing Set	(1)	224-41198	Oil Pump	(1)	E-470X	Standard Piston Ring Set	(1)	224-51380	Oil Pump Repair Kit
(1)	1557M	Camshaft Bearing Set	(6)	677P	Cast Piston	(1)	4-1400AA	Connecting Rod Bearing Set	(6)	H523P	Cast Piston
(1)	KC-551	Cam & Lifter Kit	MKP-1092A			(1)	260-1205	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	221-2528S	Timing Gear Set	(1)	E-234X	Standard Piston Ring Set	(1)	E-470X	Standard Piston Ring Set			
(cont'd. next column)			(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	260-1424	Gasket Kit	(1)	260-1205	Gasket Kit			
			(1)	4289M	Main Bearing Set	MKP-1103C					
			(1)	1244M	Camshaft Bearing Set	(1)	E-470X	Standard Piston Ring Set			
			(1)	KC-809	Cam & Lifter Kit	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	260-1205	Gasket Kit			
			(1)	224-41198	Oil Pump	MKP-1103C					
			(6)	677P	Cast Piston	(1)	E-470X	Standard Piston Ring Set			
			MKP-1092A			(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	E-234X	Standard Piston Ring Set	(1)	260-1205	Gasket Kit			
			(1)	6-3310CPA	Connecting Rod Bearing Set	MKP-1099C					
			(1)	260-1424	Gasket Kit	(1)	E-536X	Standard Piston Ring Set			
			(1)	4289M	Main Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set			
			(1)	1244M	Camshaft Bearing Set	(1)	260-1429	Gasket Kit			
			(1)	KC-809	Cam & Lifter Kit	(1)	7050MA	Main Bearing Set			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	1790M	Camshaft Bearing Set			
			(1)	224-41198	Oil Pump	(1)	KC-829	Cam & Lifter Kit			
			(6)	677P	Cast Piston	(1)	KT3-160S	Timing Set - 3 Pc.			
			MKP-1092A			(1)	224-4166	Oil Pump			
			(1)	E-234X	Standard Piston Ring Set	(6)	656P	Cast Piston			
			(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	381-8061	Brass Expansion Plug Kit			
			(1)	260-1424	Gasket Kit	MKP-1103C					
			(1)	4289M	Main Bearing Set	(1)	E-470X	Standard Piston Ring Set			
			(1)	1244M	Camshaft Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	KC-809	Cam & Lifter Kit	(1)	260-1205	Gasket Kit			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	MKP-1103C					
			(1)	224-41198	Oil Pump	(1)	E-470X	Standard Piston Ring Set			
			(6)	677P	Cast Piston	(1)	4-1400AA	Connecting Rod Bearing Set			
			MKP-1092A			(1)	260-1205	Gasket Kit			
			(1)	E-234X	Standard Piston Ring Set	MKP-1103C					
			(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-470X	Standard Piston Ring Set			
			(1)	260-1424	Gasket Kit	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	4289M	Main Bearing Set	(1)	260-1205	Gasket Kit			
			(1)	1244M	Camshaft Bearing Set	MKP-1103C					
			(1)	KC-809	Cam & Lifter Kit	(1)	E-470X	Standard Piston Ring Set			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	224-41198	Oil Pump	(1)	260-1205	Gasket Kit			
			(6)	677P	Cast Piston	MKP-1103C					
			MKP-1092A			(1)	E-470X	Standard Piston Ring Set			
			(1)	E-234X	Standard Piston Ring Set	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	260-1205	Gasket Kit			
			(1)	260-1424	Gasket Kit	MKP-1103C					
			(1)	4289M	Main Bearing Set	(1)	E-470X	Standard Piston Ring Set			
			(1)	1244M	Camshaft Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	KC-809	Cam & Lifter Kit	(1)	260-1205	Gasket Kit			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	MKP-1103C					
			(1)	224-41198	Oil Pump	(1)	E-470X	Standard Piston Ring Set			
			(6)	677P	Cast Piston	(1)	4-1400AA	Connecting Rod Bearing Set			
			MKP-1092A			(1)	260-1205	Gasket Kit			
			(1)	E-234X	Standard Piston Ring Set	MKP-1103C					
			(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-470X	Standard Piston Ring Set			
			(1)	260-1424	Gasket Kit	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	4289M	Main Bearing Set	(1)	260-1205	Gasket Kit			
			(1)	1244M	Camshaft Bearing Set	MKP-1103C					
			(1)	KC-809	Cam & Lifter Kit	(1)	E-470X	Standard Piston Ring Set			
			(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	4-1400AA	Connecting Rod Bearing Set			
			(1)	224-41198	Oil Pump	(1)	260-1205	Gasket Kit			
			(6)	677P	Cast Piston	MKP-1103C					

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-1112C			MKP-1116A (cont'd.)			MKP-1121C (cont'd.)			MKP-1135A (cont'd.)		
(1)	E-471X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set	(1)	224-41118	Oil Pump	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(8)	517CP	Cast Piston	(1)	260-1462	Gasket Kit
(1)	260-1442	Gasket Kit	(1)	KC-764	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	6690MA	Main Bearing Set
(1)	7295MA	Main Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	MKP-1123A			(1)	1756M	Camshaft Bearing Set
(1)	1886M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	(1)	E-296X	Standard Piston Ring Set	(1)	KC-781	Cam & Lifter Kit
(1)	KC-860	Cam & Lifter Kit	(8)	463P	Cast Piston	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	221-2544S	Timing Gear Set
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1452	Gasket Kit	(4)	H547P	Cast Piston
(1)	224-43567	Oil Pump	MKP-112C			(1)	4907M	Main Bearing Set	(1)	381-8074	Brass Expansion Plug Kit
(6)	H523P	Cast Piston	(1)	E-229X	Standard Piston Ring Set	(1)	1414M	Camshaft Bearing Set	MKP-1136A		
(1)	381-8053	Brass Expansion Plug Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	KC-648	Cam & Lifter Kit	(1)	E-384X	Standard Piston Ring Set
MKP-1113B			(1)	260-1006	Gasket Kit	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	E-471X	Standard Piston Ring Set	(1)	4916M	Main Bearing Set	(1)	224-41144	Oil Pump	(1)	260-1463	Gasket Kit
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1450M	Camshaft Bearing Set	(8)	H582P	Cast Piston	(1)	6690MA	Main Bearing Set
(1)	260-1443	Gasket Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	1756M	Camshaft Bearing Set
(1)	7295MA	Main Bearing Set	(1)	221-2750LS	Timing Gear Set	MKP-1124A			(1)	KC-781	Cam & Lifter Kit
(1)	1886M	Camshaft Bearing Set	(1)	224-41124	Oil Pump	(1)	E-296X	Standard Piston Ring Set	(1)	221-2544S	Timing Gear Set
(1)	KC-786	Cam & Lifter Kit	(6)	352NP	Cast Piston	(1)	8-3360CPA	Connecting Rod Bearing Set	(4)	H547CP	Cast Piston
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8014	Brass Expansion Plug Kit	(1)	260-1453	Gasket Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	224-51380	Oil Pump Repair Kit	MKP-112D			(1)	4907M	Main Bearing Set	MKP-114A		
(6)	H523P	Cast Piston	(1)	E-229X	Standard Piston Ring Set	(1)	1414M	Camshaft Bearing Set	(1)	E-234X	Standard Piston Ring Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	KC-648	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set
MKP-1113C			(1)	260-1006	Gasket Kit	(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit
(1)	E-471X	Standard Piston Ring Set	(1)	4916M	Main Bearing Set	(1)	224-41144	Oil Pump	(1)	4124MA	Main Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1450M	Camshaft Bearing Set	(8)	H582P	Cast Piston	(1)	1557M	Camshaft Bearing Set
(1)	260-1443	Gasket Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit
(1)	7295MA	Main Bearing Set	(1)	221-2750LS	Timing Gear Set	MKP-113C			(1)	221-2525S	Timing Gear Set
(1)	1886M	Camshaft Bearing Set	(1)	224-41124	Oil Pump	(1)	E-233X	Standard Piston Ring Set	(1)	224-4147	Oil Pump
(1)	KC-786	Cam & Lifter Kit	(6)	1109P	Cast Piston	(1)	8-3190A	Connecting Rod Bearing Set	(6)	403P	Cast Piston
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8014	Brass Expansion Plug Kit	(1)	260-1009	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	224-43567	Oil Pump	MKP-112E			(1)	4400MA	Main Bearing Set	MKP-114C		
(6)	H523P	Cast Piston	(1)	E-229X	Standard Piston Ring Set	(1)	1404M	Camshaft Bearing Set	(1)	E-234X	Standard Piston Ring Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	KC-660	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set
MKP-1114B			(1)	260-1006	Gasket Kit	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit
(1)	E-471X	Standard Piston Ring Set	(1)	4916M	Main Bearing Set	(1)	224-4154	Oil Pump	(1)	4124MA	Main Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1450M	Camshaft Bearing Set	(8)	H661CP	Cast Piston	(1)	1557M	Camshaft Bearing Set
(1)	260-1444	Gasket Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit
(1)	7295MA	Main Bearing Set	(1)	221-2764S	Timing Gear Set	MKP-113E			(1)	221-2528S	Timing Gear Set
(1)	1886M	Camshaft Bearing Set	(1)	224-41124	Oil Pump	(1)	E-233X	Standard Piston Ring Set	(1)	224-4147	Oil Pump
(1)	KC-860	Cam & Lifter Kit	(6)	H519P	Cast Piston	(1)	8-3190A	Connecting Rod Bearing Set	(6)	403P	Cast Piston
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8014	Brass Expansion Plug Kit	(1)	260-1009	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	224-51380	Oil Pump Repair Kit	MKP-1120A			(1)	4400MA	Main Bearing Set	MKP-114D		
(6)	H523P	Cast Piston	(1)	E-446X	Standard Piston Ring Set	(1)	1404M	Camshaft Bearing Set	(1)	E-234X	Standard Piston Ring Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	KC-774	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set
MKP-1114C			(1)	260-1222	Gasket Kit	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit
(1)	E-471X	Standard Piston Ring Set	(1)	7011MA	Main Bearing Set	(1)	224-4154	Oil Pump	(1)	4124MA	Main Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set	(8)	H661CP	Cast Piston	(1)	1203M	Camshaft Bearing Set
(1)	260-1444	Gasket Kit	(1)	KC-787	Cam & Lifter Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit
(1)	7295MA	Main Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.	MKP-1131A			(1)	221-2525S	Timing Gear Set
(1)	1886M	Camshaft Bearing Set	(1)	224-41101	Oil Pump	(1)	E-531X	Standard Piston Ring Set	(1)	224-4147	Oil Pump
(1)	KC-860	Cam & Lifter Kit	(6)	H497P	Cast Piston	(1)	4-2020CP	Connecting Rod Bearing Set	(6)	1107P	Cast Piston
(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8072	Brass Expansion Plug Kit	(1)	260-1227	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	224-43567	Oil Pump	MKP-1121A			(1)	7047MA	Main Bearing Set	MKP-114E		
(6)	H523P	Cast Piston	(1)	E-458X	Standard Piston Ring Set	(1)	1485M	Camshaft Bearing Set	(1)	E-234X	Standard Piston Ring Set
(1)	381-8053	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-811	Cam & Lifter Kit	(1)	6-2020CP	Connecting Rod Bearing Set
MKP-1115A			(1)	260-1451	Gasket Kit	(1)	KT3-370S	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit
(1)	E-458X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	224-4151	Oil Pump	(1)	4124MA	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(4)	569P	Cast Piston	(1)	1557M	Camshaft Bearing Set
(1)	260-1445	Gasket Kit	(1)	KC-668	Cam & Lifter Kit	MKP-1134A			(1)	KC-677	Cam & Lifter Kit
(1)	4125MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-384X	Standard Piston Ring Set	(1)	221-2525S	Timing Gear Set
(1)	1204M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	224-4147	Oil Pump
(1)	KC-760	Cam & Lifter Kit	(8)	517CP	Cast Piston	(1)	260-1464	Gasket Kit	(6)	403P	Cast Piston
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	6689MA	Main Bearing Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	224-41118	Oil Pump	MKP-1121C			(1)	1461M	Camshaft Bearing Set	MKP-114F		
(8)	H606P	Cast Piston	(1)	E-458X	Standard Piston Ring Set	(1)	KC-782	Cam & Lifter Kit	(1)	E-234X	Standard Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	221-2542LS	Timing Gear Set	(1)	6-2020CP	Connecting Rod Bearing Set
MKP-1116A			(1)	260-1451	Gasket Kit	(4)	H547P	Cast Piston	(1)	260-1005	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	381-8074	Brass Expansion Plug Kit	(1)	4124MA	Main Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	MKP-1135A			(1)	1557M	Camshaft Bearing Set
(1)	260-1446	Gasket Kit	(1)	KC-668	Cam & Lifter Kit	(1)	E-384X	Standard Piston Ring Set	(1)	KC-633	Cam & Lifter Kit
		(cont'd. next column)	(1)	KT3-163SA1	Timing Set - 3 Pc.			(cont'd. next column)			(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-114F (cont'd.)			MKP-1151A			MKP-116A (cont'd.)			MKP-1184A		
(1)	221-2540S	Timing Gear Set	(1)	E-377X	Standard Piston Ring Set	(1)	1557M	Camshaft Bearing Set	(1)	E-605X	Standard Piston Ring Set
(1)	224-4147	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-677	Cam & Lifter Kit	(1)	6-4020A	Connecting Rod Bearing Set
(6)	403P	Cast Piston	(1)	260-1478	Gasket Kit	(1)	221-2540S	Timing Gear Set	(1)	260-1466	Gasket Kit
(1)	381-8006	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(1)	224-4147	Oil Pump	(1)	7242MA	Main Bearing Set
MKP-114G			(1)	1235M	Camshaft Bearing Set	(6)	403P	Cast Piston	(1)	1492M	Camshaft Bearing Set
(1)	E-234X	Standard Piston Ring Set	(1)	KC-808	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	KC-715	Cam & Lifter Kit
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KT3-499SA3	Timing Set - 3 Pc.	MKP-117A			(1)	KT3-372S	Timing Set - 3 Pc.
(1)	260-1005	Gasket Kit	(1)	224-4146A	Oil Pump	(1)	E-240X	Standard Piston Ring Set	(6)	H562CP	Cast Piston
(1)	4124MA	Main Bearing Set	(8)	550P	Cast Piston	(1)	8-3310CPA	Connecting Rod Bearing Set	MKP-1184B		
(1)	1557M	Camshaft Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	260-1010	Gasket Kit	(1)	E-605X	Standard Piston Ring Set
(1)	KC-677	Cam & Lifter Kit	MKP-1153A			(1)	5037M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	221-2540S	Timing Gear Set	(1)	E-377X	Standard Piston Ring Set	(1)	1401M	Camshaft Bearing Set	(1)	260-1466	Gasket Kit
(1)	224-4147	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-646	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set
(6)	403P	Cast Piston	(1)	260-1268	Gasket Kit	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(1)	224-5128S	Oil Pump Repair Kit	(1)	KC-715	Cam & Lifter Kit
MKP-114H			(1)	1235M	Camshaft Bearing Set	(8)	1079P	Cast Piston	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	E-234X	Standard Piston Ring Set	(1)	KC-766	Cam & Lifter Kit	(1)	381-8001	Brass Expansion Plug Kit	(1)	224-4152	Oil Pump
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	MKP-117C			(6)	H562CP	Cast Piston
(1)	260-1005	Gasket Kit	(1)	224-4146A	Oil Pump	(1)	E-240X	Standard Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit
(1)	4124MA	Main Bearing Set	(8)	550P	Cast Piston	(1)	8-3310CPA	Connecting Rod Bearing Set	MKP-1184C		
(1)	1203M	Camshaft Bearing Set	MKP-1155A			(1)	260-1010	Gasket Kit	(1)	E-605X	Standard Piston Ring Set
(1)	KC-633	Cam & Lifter Kit	(1)	E-384X	Standard Piston Ring Set	(1)	5037M	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	221-2525S	Timing Gear Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	1401M	Camshaft Bearing Set	(1)	260-1466	Gasket Kit
(1)	224-4147	Oil Pump	(1)	260-1482	Gasket Kit	(1)	KC-646	Cam & Lifter Kit	(1)	7242MA	Main Bearing Set
(6)	403P	Cast Piston	(1)	6689MA	Main Bearing Set	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	1492M	Camshaft Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	1461M	Camshaft Bearing Set	(1)	224-5128S	Oil Pump Repair Kit	(1)	KC-1539	Cam & Lifter Kit
MKP-1148A			(1)	KC-782	Cam & Lifter Kit	(8)	1079P	Cast Piston	(1)	KT3-368S	Timing Set - 3 Pc.
(1)	E-288X	Standard Piston Ring Set	(1)	221-2542LS	Timing Gear Set	(1)	381-8001	Brass Expansion Plug Kit	(6)	H562CP	Cast Piston
(1)	8-3045A	Connecting Rod Bearing Set	(1)	224-41239	Oil Pump	MKP-118A			MKP-1186A		
(1)	260-1477	Gasket Kit	(4)	H547P	Cast Piston	(1)	E-243X	Standard Piston Ring Set	(1)	E-476X	Standard Piston Ring Set
(1)	4281M	Main Bearing Set	(1)	381-8074	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	1466M	Camshaft Bearing Set	MKP-1156A			(1)	260-1016	Gasket Kit	(1)	260-1526	Gasket Kit
(1)	KC-758	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	4926MA	Main Bearing Set	(1)	4979M	Main Bearing Set
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set
(1)	224-41203	Oil Pump	(1)	260-1269	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set
(8)	H801CP	Cast Piston	(1)	4663MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	381-8020	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	222-14	Timing Belt
MKP-1148D			(1)	KC-274	Cam & Lifter Kit	(8)	400AP	Cast Piston	(1)	224-41160	Oil Pump
(1)	E-288X	Standard Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.	MKP-118D			(4)	H491P	Cast Piston
(1)	8-3045A	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	E-243X	Standard Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit
(1)	260-1477	Gasket Kit	(8)	423NP	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	MKP-119A		
(1)	4281M	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	260-1016	Gasket Kit	(1)	E-245X	Standard Piston Ring Set
(1)	1466M	Camshaft Bearing Set	MKP-1156C			(1)	4926MA	Main Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-850	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	260-1000	Gasket Kit
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	994M	Main Bearing Set
(1)	224-41203	Oil Pump	(1)	260-1269	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1145M	Camshaft Bearing Set
(8)	H801CP	Cast Piston	(1)	4663MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	KC-274	Cam & Lifter Kit
(1)	381-8020	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(8)	400AP	Cast Piston	(1)	KT3-489S	Timing Set - 3 Pc.
MKP-115A			(1)	KC-274	Cam & Lifter Kit	MKP-1182A			(1)	224-4146	Oil Pump
(1)	E-234X	Standard Piston Ring Set	(1)	KT3-4SR46	Timing Set - 3 Pc.	(1)	E-510X	Standard Piston Ring Set	(8)	235NP	Cast Piston
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1019	Gasket Kit	(8)	423NP	Cast Piston	(1)	260-1503	Gasket Kit	MKP-119C		
(1)	4124MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	7148M	Main Bearing Set	(1)	E-245X	Standard Piston Ring Set
(1)	1557M	Camshaft Bearing Set	MKP-1156D			(1)	67333AF	Thrust Washer Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-677	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	CS-719	Camshaft	(1)	260-1000	Gasket Kit
(1)	221-2540S	Timing Gear Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT-1028S	Timing Set - Complete	(1)	994M	Main Bearing Set
(1)	224-4147	Oil Pump	(1)	260-1269	Gasket Kit	(1)	224-41940	Oil Pump	(1)	1145M	Camshaft Bearing Set
(6)	403P	Cast Piston	(1)	4663MA	Main Bearing Set	(4)	12886CP	Cast Piston	(1)	KC-273	Cam & Lifter Kit
(1)	381-8006	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(1)	381-8042	Brass Expansion Plug Kit	(1)	KT3-489S	Timing Set - 3 Pc.
MKP-115E			(1)	KC-274	Cam & Lifter Kit	MKP-1183D			(1)	224-4146	Oil Pump
(1)	E-234X	Standard Piston Ring Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	E-605X	Standard Piston Ring Set	(8)	235NP	Cast Piston
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1019	Gasket Kit	(8)	423NP	Cast Piston	(1)	260-1233	Gasket Kit	MKP-119D		
(1)	4124MA	Main Bearing Set	(1)	381-8059	Brass Expansion Plug Kit	(1)	7242MA	Main Bearing Set	(1)	E-245X	Standard Piston Ring Set
(1)	1557M	Camshaft Bearing Set	MKP-116A			(1)	1492M	Camshaft Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	KC-633	Cam & Lifter Kit	(1)	E-234X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	260-1000	Gasket Kit
(1)	221-2540S	Timing Gear Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	994M	Main Bearing Set
(1)	224-4147	Oil Pump	(1)	260-1037	Gasket Kit	(1)	224-4148	Oil Pump	(1)	1235M	Camshaft Bearing Set
(6)	403P	Cast Piston	(1)	4124MA	Main Bearing Set	(6)	H561P	Cast Piston	(1)	KC-274	Cam & Lifter Kit
(1)	381-8006	Brass Expansion Plug Kit	(cont'd. next column)			(cont'd. next page)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	
MKP-119D (cont'd.)			MKP-121D			MKP-124C (cont'd.)			MKP-124N (cont'd.)			
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	E-245X	Standard Piston Ring Set	(1)	1403M	Camshaft Bearing Set	(8)	427P	Cast Piston	
(1)	224-4146	Oil Pump	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	KC-667	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	
(8)	235NP	Cast Piston	(1)	260-1025	Gasket Kit	(1)	KT3-494SA2	Timing Set - 3 Pc.	MKP-124P			
(1)	381-8007	Brass Expansion Plug Kit	(1)	4040M	Main Bearing Set	(1)	224-41166	Oil Pump	(1)	E-251X	Standard Piston Ring Set	
MKP-119E			(1)	1220M	Camshaft Bearing Set	(1)	425NP	Cast Piston	(1)	8-3400CP	Connecting Rod Bearing Set	
(1)	E-245X	Standard Piston Ring Set	(1)	KC-641	Cam & Lifter Kit	MKP-124D			(1)	260-1014	Gasket Kit	
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	KT3-350S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set	
(1)	260-1000	Gasket Kit	(1)	224-43364S	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	
(1)	994M	Main Bearing Set	(8)	357P 20	Cast Piston	(1)	381-8016	Brass Expansion Plug Kit	(1)	KC-667	Cam & Lifter Kit	
(1)	1235M	Camshaft Bearing Set	(1)	381-8021	Brass Expansion Plug Kit	(1)	260-1014	Gasket Kit	(1)	KT3-494SA2	Timing Set - 3 Pc.	
(1)	KC-274	Cam & Lifter Kit	MKP-121E			(1)	4925M	Main Bearing Set	(1)	224-41166	Oil Pump	
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	E-245X	Standard Piston Ring Set	(1)	1403M	Camshaft Bearing Set	(8)	427P	Cast Piston	
(1)	224-4149	Oil Pump	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	KC-667	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	
(8)	235NP	Cast Piston	(1)	260-1025	Gasket Kit	(1)	KT3-498SA2	Timing Set - 3 Pc.	MKP-125A			
(1)	381-8007	Brass Expansion Plug Kit	(1)	4040M	Main Bearing Set	(1)	224-41166	Oil Pump	(1)	E-251X	Standard Piston Ring Set	
MKP-119F			(1)	1220M	Camshaft Bearing Set	(8)	425NP	Cast Piston	(1)	8-3380A	Connecting Rod Bearing Set	
(1)	E-245X	Standard Piston Ring Set	(1)	KC-690C	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	260-1028	Gasket Kit	
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	KT3-350S	Timing Set - 3 Pc.	MKP-124E			(1)	5107M	Main Bearing Set	
(1)	260-1000	Gasket Kit	(1)	224-43364S	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	1204M	Camshaft Bearing Set	
(1)	994M	Main Bearing Set	(8)	357P 20	Cast Piston	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	KC-674	Cam & Lifter Kit	
(1)	1235M	Camshaft Bearing Set	(1)	381-8021	Brass Expansion Plug Kit	(1)	260-1014	Gasket Kit	(1)	KT3-358S	Timing Set - 3 Pc.	
(1)	KC-274	Cam & Lifter Kit	MKP-1212A			(1)	5107M	Main Bearing Set	(1)	224-41143	Oil Pump	
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	E-446X	Standard Piston Ring Set	(1)	1403M	Camshaft Bearing Set	(8)	416P	Cast Piston	
(1)	224-4146	Oil Pump	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	KC-667	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	
(8)	235NP	Cast Piston	(1)	260-1556	Gasket Kit	(1)	KT3-498SA2	Timing Set - 3 Pc.	MKP-125C			
(1)	381-8007	Brass Expansion Plug Kit	(1)	7011MA	Main Bearing Set	(1)	224-41166	Oil Pump	(1)	E-251X	Standard Piston Ring Set	
MKP-119G			(1)	1843M	Camshaft Bearing Set	(1)	451P	Cast Piston	(1)	8-3380A	Connecting Rod Bearing Set	
(1)	E-245X	Standard Piston Ring Set	(1)	KC-787	Cam & Lifter Kit	MKP-124G			(1)	260-1028	Gasket Kit	
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set	(1)	5107M	Main Bearing Set	
(1)	260-1000	Gasket Kit	(6)	H497P	Cast Piston	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	
(1)	994M	Main Bearing Set	(1)	381-8072	Brass Expansion Plug Kit	(1)	260-1014	Gasket Kit	(1)	KC-674	Cam & Lifter Kit	
(1)	1235M	Camshaft Bearing Set	MKP-1215A			(1)	5078MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	
(1)	KC-274	Cam & Lifter Kit	(1)	E-458X	Standard Piston Ring Set	(1)	1403M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-667	Cam & Lifter Kit	(8)	416P	Cast Piston	
(1)	224-4149	Oil Pump	(1)	260-1559	Gasket Kit	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	
(8)	235NP	Cast Piston	(1)	4125MA	Main Bearing Set	(1)	224-41166	Oil Pump	MKP-125D			
(1)	381-8007	Brass Expansion Plug Kit	(1)	1204M	Camshaft Bearing Set	(8)	451P	Cast Piston	(1)	E-251X	Standard Piston Ring Set	
MKP-120B			(1)	KC-668	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set	
(1)	E-245X	Standard Piston Ring Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	MKP-124J			(1)	260-1028	Gasket Kit	
(1)	8-2555A	Connecting Rod Bearing Set	(8)	517CP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	5107M	Main Bearing Set	
(1)	260-1000	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	
(1)	4663MA	Main Bearing Set	MKP-1217A			(1)	260-1014	Gasket Kit	(1)	KC-674	Cam & Lifter Kit	
(1)	1235M	Camshaft Bearing Set	(1)	E-454X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set	(1)	KT3-358S	Timing Set - 3 Pc.	
(1)	KC-274	Cam & Lifter Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1616	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(8)	336P	Cast Piston	
(1)	224-4146	Oil Pump	(1)	6678MA	Main Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	
(8)	295P	Cast Piston	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41166	Oil Pump	MKP-1250A			
(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-785	Cam & Lifter Kit	(8)	451P	Cast Piston	(1)	E-251X	Standard Piston Ring Set	
MKP-1205A			(1)	222-153	Timing Belt	(1)	381-8016	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	
(1)	E-454X	Standard Piston Ring Set	(1)	224-4168	Oil Pump	MKP-124M			(1)	260-1169	Gasket Kit	
(1)	4-3800CPA	Connecting Rod Bearing Set	(4)	527P	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	
(1)	260-1616	Gasket Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	
(1)	6678MA	Main Bearing Set	MKP-122C			(1)	260-1014	Gasket Kit	(1)	KC-668	Cam & Lifter Kit	
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	5107M	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	
(1)	KC-785	Cam & Lifter Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	1403M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	
(1)	222-153	Timing Belt	(1)	260-1033	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(8)	H654P	Cast Piston	
(1)	224-4168	Oil Pump	(1)	4999MA	Main Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	
(4)	571CP	Cast Piston	(1)	1484M	Camshaft Bearing Set	MKP-124N			MKP-1251A			
(1)	381-8050	Brass Expansion Plug Kit	(1)	KC-665	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	
MKP-1205B			(1)	KT3-361S	Timing Set - 3 Pc.	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	
(1)	E-454X	Standard Piston Ring Set	(1)	224-4166	Oil Pump	(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit	
(1)	4-3800CPA	Connecting Rod Bearing Set	(8)	405P	Cast Piston	(1)	5078MA	Main Bearing Set	(1)	4125MA	Main Bearing Set	
(1)	260-1616	Gasket Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	
(1)	6678MA	Main Bearing Set	MKP-124C			(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	
(1)	KC-785	Cam & Lifter Kit	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	
(1)	222-153	Timing Belt	(1)	260-1014	Gasket Kit	MKP-124N			(8)	H654P	Cast Piston	
(1)	224-4168	Oil Pump	(1)	4925M	Main Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	
(4)	571CP	Cast Piston	(cont'd. next column)				(1)	8-3400CP	Connecting Rod Bearing Set			
						(1)	260-1014	Gasket Kit				
						(1)	5078MA	Main Bearing Set				
						(1)	1403M	Camshaft Bearing Set				
						(1)	KC-667	Cam & Lifter Kit				
						(1)	KT3-498SA2	Timing Set - 3 Pc.				
						(1)	224-41166	Oil Pump				

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-1251C			MKP-127D (cont'd.)			MKP-1329A			MKP-137D (cont'd.)		
(1)	E-251X	Standard Piston Ring Set	(1)	KC-764	Cam & Lifter Kit	(1)	E-528X	Standard Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	6-1735CP	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	260-1451	Gasket Kit	(1)	224-41143	Oil Pump	(1)	260-1432	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	4125MA	Main Bearing Set	(8)	463P	Cast Piston	(1)	7090M	Main Bearing Set	(1)	KT3-491SA	Timing Set - 3 Pc.
(1)	1204M	Camshaft Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	1736AF	Thrust Washer Set	(1)	224-41139	Oil Pump
(1)	KC-668	Cam & Lifter Kit	MKP-130A			(1)	KC-864	Cam & Lifter Kit	(8)	H418P	Cast Piston
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set	(1)	KC-865	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit
(1)	224-41118	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	222-139	Timing Belt	MKP-137E		
(8)	H654P	Cast Piston	(1)	260-1000	Gasket Kit	(1)	224-42000	Oil Pump	(1)	E-296X	Standard Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(6)	H834CP	Cast Piston	(1)	8-3360CPA	Connecting Rod Bearing Set
MKP-1253A			(1)	1235M	Camshaft Bearing Set	MKP-133A			(1)	260-1013	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit	(1)	E-288X	Standard Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	8-3045A	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	260-1559	Gasket Kit	(1)	224-4146	Oil Pump	(1)	260-1124	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	4125MA	Main Bearing Set	(8)	310NP	Cast Piston	(1)	4281M	Main Bearing Set	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	1204M	Camshaft Bearing Set	MKP-130C			(1)	1466M	Camshaft Bearing Set	(1)	224-41139	Oil Pump
(1)	KC-668	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	KC-707	Cam & Lifter Kit	(8)	H418P	Cast Piston
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	381-8018	Brass Expansion Plug Kit
(1)	224-41118	Oil Pump	(1)	260-1000	Gasket Kit	(1)	224-41203	Oil Pump	MKP-137F		
(8)	H654P	Cast Piston	(1)	4663MA	Main Bearing Set	(8)	472NP	Cast Piston	(1)	E-296X	Standard Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(1)	381-8020	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set
MKP-1263A			(1)	KC-274	Cam & Lifter Kit	MKP-134A			(1)	260-1013	Gasket Kit
(1)	E-613X	Standard Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	E-288X	Standard Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	260-1652	Gasket Kit	(8)	423NP	Cast Piston	(1)	260-1012	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	7245MA	Main Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	4418M	Main Bearing Set	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	1844M	Camshaft Bearing Set	MKP-130D			(1)	1422M	Camshaft Bearing Set	(1)	224-41144	Oil Pump
(1)	KC-1511	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set	(1)	KC-647	Cam & Lifter Kit	(8)	H418P	Cast Piston
(1)	KT3-64S	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT3-359S	Timing Set - 3 Pc.	(1)	381-8018	Brass Expansion Plug Kit
(1)	224-43431	Oil Pump	(1)	260-1000	Gasket Kit	(1)	224-518	Oil Pump Repair Kit	MKP-1373A		
(6)	H570P	Cast Piston	(1)	4663MA	Main Bearing Set	(8)	657P 30	Cast Piston	(1)	E-384X	Standard Piston Ring Set
MKP-1264A			(1)	1235M	Camshaft Bearing Set	(1)	381-8002	Brass Expansion Plug Kit	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	E-613X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit	MKP-134C			(1)	260-1563	Gasket Kit
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	E-288X	Standard Piston Ring Set	(1)	6690MA	Main Bearing Set
(1)	260-1652	Gasket Kit	(1)	224-4146	Oil Pump	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	7245MA	Main Bearing Set	(8)	345NP	Cast Piston	(1)	260-1012	Gasket Kit	(1)	KC-1507	Cam & Lifter Kit
(1)	1844M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	4418M	Main Bearing Set	(1)	221-2542LS	Timing Gear Set
(1)	KC-1510	Cam & Lifter Kit	MKP-130F			(1)	1422M	Camshaft Bearing Set	(4)	H547CP	Cast Piston
(1)	KT3-64S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set	(1)	KC-676	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	224-43431	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT3-359S	Timing Set - 3 Pc.	MKP-1374A		
(6)	H570P	Cast Piston	(1)	260-1000	Gasket Kit	(8)	657P 30	Cast Piston	(1)	E-384X	Standard Piston Ring Set
MKP-1264A			(1)	4663MA	Main Bearing Set	(1)	381-8002	Brass Expansion Plug Kit	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	E-613X	Standard Piston Ring Set	(1)	1235M	Camshaft Bearing Set	MKP-137A			(1)	260-1463	Gasket Kit
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	E-296X	Standard Piston Ring Set	(1)	6690MA	Main Bearing Set
(1)	260-1652	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	1756M	Camshaft Bearing Set
(1)	7245MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	260-1013	Gasket Kit	(1)	KC-1518	Cam & Lifter Kit
(1)	1844M	Camshaft Bearing Set	(8)	423NP	Cast Piston	(1)	4907M	Main Bearing Set	(1)	KT3-378S	Timing Set - 3 Pc.
(1)	KC-1510	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	1414M	Camshaft Bearing Set	(4)	H547CP	Cast Piston
(1)	KT3-64S	Timing Set - 3 Pc.	MKP-130F			(1)	KT3-491SA	Timing Set - 3 Pc.	(1)	381-8074	Brass Expansion Plug Kit
(1)	224-43431	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	224-518	Oil Pump Repair Kit	MKP-1377		
(6)	H570P	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(8)	657P 30	Cast Piston	(1)	E-178X	Standard Piston Ring Set
MKP-127A			(1)	260-1000	Gasket Kit	(1)	381-8002	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	MKP-137A			(1)	260-1430	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	5095MA	Main Bearing Set
(1)	260-1126	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	5107M	Main Bearing Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	260-1013	Gasket Kit	(1)	KC-1565	Cam & Lifter Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	4907M	Main Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	KC-674	Cam & Lifter Kit	(8)	423NP	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	224-4166	Oil Pump
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-648	Cam & Lifter Kit	(8)	526P	Cast Piston
(1)	224-41143	Oil Pump	MKP-132E			(1)	KT3-491SA	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit
(8)	416P	Cast Piston	(1)	E-424X	Standard Piston Ring Set	(1)	224-41139	Oil Pump	MKP-1377		
(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2320CP	Connecting Rod Bearing Set	(8)	413AP	Cast Piston	(1)	E-178X	Standard Piston Ring Set
MKP-127C			(1)	260-1001	Gasket Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	5025MA	Main Bearing Set	MKP-137A			(1)	260-1430	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	5095MA	Main Bearing Set
(1)	260-1126	Gasket Kit	(1)	KC-327	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	5078MA	Main Bearing Set	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	260-1013	Gasket Kit	(1)	KC-1565	Cam & Lifter Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-4174	Oil Pump	(1)	4907M	Main Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	KC-674	Cam & Lifter Kit	(8)	424P	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	224-4166	Oil Pump
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8011	Brass Expansion Plug Kit	(1)	KC-648	Cam & Lifter Kit	(8)	526P	Cast Piston
(1)	224-41143	Oil Pump	MKP-132G			(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit
(8)	463P	Cast Piston	(1)	E-424X	Standard Piston Ring Set	(1)	224-41139	Oil Pump	MKP-1377		
(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2320CP	Connecting Rod Bearing Set	(8)	413AP	Cast Piston	(1)	E-178X	Standard Piston Ring Set
MKP-127C			(1)	260-1001	Gasket Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	4924MA	Main Bearing Set	MKP-137C			(1)	260-1430	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	5095MA	Main Bearing Set
(1)	260-1126	Gasket Kit	(1)	KC-327	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	5078MA	Main Bearing Set	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	260-1013	Gasket Kit	(1)	KC-1565	Cam & Lifter Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-4174	Oil Pump	(1)	4907M	Main Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	KC-674	Cam & Lifter Kit	(8)	424P	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	224-4166	Oil Pump
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8011	Brass Expansion Plug Kit	(1)	KC-648	Cam & Lifter Kit	(8)	526P	Cast Piston
(1)	224-41143	Oil Pump	MKP-132G			(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit
(8)	463P	Cast Piston	(1)	E-424X	Standard Piston Ring Set	(1)	224-41139	Oil Pump	MKP-1377		
(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2320CP	Connecting Rod Bearing Set	(8)	413AP	Cast Piston	(1)	E-178X	Standard Piston Ring Set
MKP-127D			(1)	260-1001	Gasket Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	4924MA	Main Bearing Set	MKP-137C			(1)	260-1430	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	1453M	Camshaft Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	5095MA	Main Bearing Set
(1)	260-1126	Gasket Kit	(1)	KC-327	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	5078MA	Main Bearing Set	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	260-1013	Gasket Kit	(1)	KC-1565	Cam & Lifter Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-4174	Oil Pump	(1)	4907M	Main Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.
		(cont'd. next column)	(8)	424P	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	224-4166	Oil Pump
			(1)	381-8011	Brass Expansion Plug Kit	(1)	KC-648	Cam & Lifter Kit	(8)	526P	Cast Piston
			MKP-132G			(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit
			(1)	E-424X	Standard Piston Ring Set	MKP-137D			MKP-138A		
			(1)	8-2320CP	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-297X	Standard Piston Ring Set
			(1)	260-1001	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set
			(1)	4924MA	Main Bearing Set	(1)	260-1013	Gasket Kit	(1)	260-1022	Gasket Kit
			(1)	1453M	Camshaft Bearing Set				(1)	4281M	Main Bearing Set
			(1)	KC-327	Cam & Lifter Kit				(1)	1466M	Camshaft Bearing Set
			(1)	KT3-501S	Timing Set - 3 Pc.				(1)	KC-707	Cam & Lifter Kit
			(1)	224-4174	Oil Pump				(1)	KT3-498SA3	Timing Set - 3 Pc.
			(8)	424P	Cast Piston				(1)	224-41203	Oil Pump
			(1)	381-8011	Brass Expansion Plug Kit				(8)	332AP	Cast Piston
											(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-138A (cont'd.)			MKP-148D			MKP-153J (cont'd.)			MKP-162A (cont'd.)		
(1)	381-8020	Brass Expansion Plug Kit	(1)	E-356X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	224-4146	Oil Pump
MKP-139C			(1)	8-2555A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(8)	310NP	Cast Piston
(1)	E-297X	Standard Piston Ring Set	(1)	260-1024	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	MKP-162C		
(1)	8-3045A	Connecting Rod Bearing Set	(1)	4663MA	Main Bearing Set	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set
(1)	260-1008	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	4281M	Main Bearing Set	(1)	KC-711	Cam & Lifter Kit	(8)	273AP	Cast Piston	(1)	260-1000	Gasket Kit
(1)	1234M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	994M	Main Bearing Set
(1)	KC-707	Cam & Lifter Kit	(1)	224-4146	Oil Pump	MKP-153L			(1)	1235M	Camshaft Bearing Set
(1)	KT3-498SA3	Timing Set - 3 Pc.	(8)	534NP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit
(1)	224-41203	Oil Pump	(1)	381-8007	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.
(8)	332AP	Cast Piston	MKP-153A			(1)	260-1125	Gasket Kit	(8)	224-4146	Oil Pump
(1)	381-8020	Brass Expansion Plug Kit	(1)	E-251X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	310NP	Cast Piston
MKP-140E			(1)	8-2600A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	MKP-162D		
(1)	E-299X	Standard Piston Ring Set	(1)	260-1125	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	4125MA	Main Bearing Set	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	260-1025	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(8)	272AP	Cast Piston	(1)	260-1000	Gasket Kit
(1)	4040M	Main Bearing Set	(1)	KC-560	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	994M	Main Bearing Set
(1)	1220M	Camshaft Bearing Set	(1)	KT3-356S	Timing Set - 3 Pc.	MKP-158A			(1)	1235M	Camshaft Bearing Set
(1)	KC-690C	Cam & Lifter Kit	(1)	224-41118	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit
(1)	KT3-350S	Timing Set - 3 Pc.	(8)	272AP	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-43364S	Oil Pump	MKP-153D			(1)	260-1045	Gasket Kit	(1)	224-4146	Oil Pump
(8)	411NP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	(8)	310NP	Cast Piston
(1)	381-8021	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	MKP-162E		
MKP-142A			(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	E-251X	Standard Piston Ring Set
(1)	E-318X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	260-1000	Gasket Kit
(1)	260-1001	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(8)	423NP	Cast Piston	(1)	994M	Main Bearing Set
(1)	4094M	Main Bearing Set	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set
(1)	1453M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	MKP-158C			(1)	KC-274	Cam & Lifter Kit
(1)	KC-327	Cam & Lifter Kit	(8)	272AP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	224-4149	Oil Pump
(1)	224-4174	Oil Pump	MKP-153F			(1)	260-1045	Gasket Kit	(8)	310NP	Cast Piston
(8)	406AP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	MKP-162F		
(1)	381-8011	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	E-251X	Standard Piston Ring Set
MKP-146A			(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	E-352X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	260-1000	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	994M	Main Bearing Set
(1)	260-1018	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(8)	423NP	Cast Piston	(1)	1235M	Camshaft Bearing Set
(1)	4979M	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-274	Cam & Lifter Kit
(1)	1443M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	MKP-160A			(1)	KT3-499S	Timing Set - 3 Pc.
(1)	1460M	Auxiliary Shaft Bearing Set	(8)	272AP	Cast Piston	(1)	E-233X	Standard Piston Ring Set	(1)	224-4149	Oil Pump
(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3190A	Connecting Rod Bearing Set	(8)	310NP	Cast Piston
(1)	222-14	Timing Belt	MKP-153G			(1)	260-1046	Gasket Kit	MKP-162J		
(1)	224-41160	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	4400MA	Main Bearing Set	(1)	E-251X	Standard Piston Ring Set
(4)	H435P	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1125	Gasket Kit	(1)	KC-774	Cam & Lifter Kit	(1)	260-1000	Gasket Kit
MKP-147A			(1)	4125MA	Main Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	994M	Main Bearing Set
(1)	E-356X	Standard Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4154	Oil Pump	(1)	1235M	Camshaft Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-668	Cam & Lifter Kit	(8)	H661CP	Cast Piston	(1)	KC-274	Cam & Lifter Kit
(1)	260-1023	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8009	Brass Expansion Plug Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	4663MA	Main Bearing Set	(1)	224-41118	Oil Pump	MKP-161A			(1)	224-4146	Oil Pump
(1)	1235M	Camshaft Bearing Set	(8)	272AP	Cast Piston	(1)	E-243X	Standard Piston Ring Set	(8)	H951P 30	Cast Piston
(1)	KC-673	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	KT3-499S	Timing Set - 3 Pc.	MKP-153H			(1)	260-1009	Gasket Kit	MKP-162K		
(1)	224-4146	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	4400MA	Main Bearing Set	(1)	E-233X	Standard Piston Ring Set
(8)	454NP	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1125	Gasket Kit	(1)	KC-774	Cam & Lifter Kit	(1)	260-1001	Gasket Kit
MKP-148A			(1)	4125MA	Main Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	4094M	Main Bearing Set
(1)	E-356X	Standard Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4154	Oil Pump	(1)	1453M	Camshaft Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-668	Cam & Lifter Kit	(8)	402AP	Cast Piston	(1)	KC-327	Cam & Lifter Kit
(1)	260-1024	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8009	Brass Expansion Plug Kit	(1)	KT3-501S	Timing Set - 3 Pc.
(1)	4663MA	Main Bearing Set	(1)	224-41118	Oil Pump	MKP-162A			(1)	224-4174	Oil Pump
(1)	1235M	Camshaft Bearing Set	(8)	273AP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(8)	366NP	Cast Piston
(1)	KC-711	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	381-8011	Brass Expansion Plug Kit
(1)	KT3-499S	Timing Set - 3 Pc.	MKP-153J			(1)	260-1000	Gasket Kit	MKP-167F		
(1)	224-4146	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	994M	Main Bearing Set	(1)	E-233X	Standard Piston Ring Set
(8)	454NP	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1145M	Camshaft Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	260-1001	Gasket Kit
(cont'd. next column)			(cont'd. next column)			(1)	KT3-489S	Timing Set - 3 Pc.	(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-167F (cont'd.)			MKP-195B (cont'd.)			MKP-2032 (cont'd.)			MKP-213A (cont'd.)		
(1)	4094M	Main Bearing Set	(1)	381-8047	Brass Expansion Plug Kit	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1121	Gasket Kit
(1)	1453M	Camshaft Bearing Set	MKP-199D			(1)	260-1437	Gasket Kit	(1)	4923MA	Main Bearing Set
(1)	KC-327A	Cam & Lifter Kit	(1)	E-411X	Standard Piston Ring Set	(1)	5130M	Main Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1494M	Camshaft Bearing Set	(1)	KC-644	Cam & Lifter Kit
(1)	224-4174	Oil Pump	(1)	260-1123	Gasket Kit	(1)	KC-788	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.
(8)	366NP	Cast Piston	(1)	5090MA	Main Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump
(1)	381-8011	Brass Expansion Plug Kit	(1)	1492M	Camshaft Bearing Set	(1)	224-41100	Oil Pump	(8)	L-2316F 20	Power Forged Piston
MKP-183C			(1)	KC-715	Cam & Lifter Kit	(4)	489P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit
(1)	E-251X	Standard Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	MKP-2033			MKP-215A		
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	224-4148	Oil Pump	(1)	E-446X	Standard Piston Ring Set	(1)	E-301X	Standard Piston Ring Set
(1)	260-1095	Gasket Kit	(6)	464P	Cast Piston	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set
(1)	4999MA	Main Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	260-1556	Gasket Kit	(1)	260-1151	Gasket Kit
(1)	1484M	Camshaft Bearing Set	MKP-199E			(1)	7011MA	Main Bearing Set	(1)	5037M	Main Bearing Set
(1)	KC-665	Cam & Lifter Kit	(1)	E-411X	Standard Piston Ring Set	(1)	KC-787	Camshaft Bearing Set	(1)	1401M	Camshaft Bearing Set
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set	(1)	KC-646	Cam & Lifter Kit
(1)	224-4166	Oil Pump	(1)	260-1123	Gasket Kit	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	KT3-369S	Timing Set - 3 Pc.
(8)	405P	Cast Piston	(1)	5090MA	Main Bearing Set	(1)	224-43636S	Oil Pump	(1)	224-51285	Oil Pump Repair Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	1492M	Camshaft Bearing Set	(6)	H497P	Cast Piston	(8)	362NP	Cast Piston
MKP-186A			(1)	KC-1539	Cam & Lifter Kit	(1)	381-8072	Brass Expansion Plug Kit	(1)	381-8001	Brass Expansion Plug Kit
(1)	E-232X	Standard Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	MKP-2050			MKP-216A		
(1)	8-3190A	Connecting Rod Bearing Set	(1)	224-4148	Oil Pump	(1)	E-450X	Standard Piston Ring Set	(1)	E-222X	Standard Piston Ring Set
(1)	260-1009	Gasket Kit	(6)	464P	Cast Piston	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	4400MA	Main Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	260-1192	Gasket Kit	(1)	260-1134	Gasket Kit
(1)	1255M	Camshaft Bearing Set	MKP-2000			(1)	6676M	Main Bearing Set	(1)	4289M	Main Bearing Set
(1)	KC-636	Cam & Lifter Kit	(1)	E-605X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	224-4154	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	KC-779	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit
(8)	460P	Cast Piston	(1)	260-1466	Gasket Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	KT3-494S	Timing Set - 3 Pc.
(1)	381-8009	Brass Expansion Plug Kit	(1)	7242MA	Main Bearing Set	(1)	224-41198	Oil Pump	(6)	470NP	Cast Piston
MKP-186C			(1)	1492M	Camshaft Bearing Set	(1)	525CP	Cast Piston	(1)	381-8000	Brass Expansion Plug Kit
(1)	E-232X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	MKP-2053			MKP-217A		
(1)	8-3190A	Connecting Rod Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	E-234X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	260-1009	Gasket Kit	(6)	H562CP	Cast Piston	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	4400MA	Main Bearing Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	260-1424	Gasket Kit	(1)	260-1153	Gasket Kit
(1)	1404M	Camshaft Bearing Set	MKP-2001			(1)	4289M	Main Bearing Set	(1)	4923MA	Main Bearing Set
(1)	KC-636	Cam & Lifter Kit	(1)	E-605X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	6-4020A	Connecting Rod Bearing Set	(1)	KC-809	Cam & Lifter Kit	(1)	KC-645	Cam & Lifter Kit
(1)	224-4154	Oil Pump	(1)	260-1466	Gasket Kit	(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	KT3-361S	Timing Set - 3 Pc.
(8)	460P	Cast Piston	(1)	7242MA	Main Bearing Set	(1)	224-41198	Oil Pump	(1)	224-4166	Oil Pump
(1)	381-8009	Brass Expansion Plug Kit	(1)	1492M	Camshaft Bearing Set	(6)	677CP	Cast Piston	(8)	285NP	Cast Piston
MKP-191C			(1)	KC-1539	Cam & Lifter Kit	(1)	381-8084	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(1)	E-369X	Standard Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	MKP-2058			MKP-217C		
(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	224-4152	Oil Pump	(1)	E-454X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	260-1032	Gasket Kit	(6)	H562CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	7144MA	Main Bearing Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	260-1616	Gasket Kit	(1)	260-1153	Gasket Kit
(1)	1462M	Camshaft Bearing Set	MKP-2002			(1)	6678MA	Main Bearing Set	(1)	5024MA	Main Bearing Set
(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	E-605X	Standard Piston Ring Set	(1)	1840M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	224-518	Oil Pump Repair Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-645	Cam & Lifter Kit
(6)	450NP	Cast Piston	(1)	260-1233	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	381-8035	Brass Expansion Plug Kit	(1)	7242MA	Main Bearing Set	(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump
MKP-192A			(1)	1492M	Camshaft Bearing Set	(4)	527P	Cast Piston	(8)	285NP	Cast Piston
(1)	E-414X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(1)	6-3750P	Connecting Rod Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.	MKP-2059			MKP-218A		
(1)	260-1101	Gasket Kit	(1)	224-4148	Oil Pump	(1)	E-454X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	5085MA	Main Bearing Set	(6)	H561CP	Cast Piston	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	1463M	Camshaft Bearing Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	260-1616	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	KC-712	Cam & Lifter Kit	MKP-2012			(1)	6678MA	Main Bearing Set	(1)	5024MA	Main Bearing Set
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	E-229X	Standard Piston Ring Set	(1)	1840M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-645	Cam & Lifter Kit
(6)	698P 30	Cast Piston	(1)	260-1240	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	381-8049	Brass Expansion Plug Kit	(1)	5085MA	Main Bearing Set	(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump
MKP-195B			(1)	1463M	Camshaft Bearing Set	(4)	571CP	Cast Piston	(8)	285NP	Cast Piston
(1)	E-378X	Standard Piston Ring Set	(1)	KC-783	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(1)	8-3045A	Connecting Rod Bearing Set	(1)	KT3-499SA6	Timing Set - 3 Pc.	MKP-213A			MKP-218C		
(1)	260-1104	Gasket Kit	(6)	645P	Cast Piston	(1)	E-286X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	4281M	Main Bearing Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	1466M	Camshaft Bearing Set	MKP-2032			(1)	260-1152	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	KC-707	Cam & Lifter Kit	(1)	E-465X	Standard Piston Ring Set	(1)	5095MA	Main Bearing Set	(1)	5095MA	Main Bearing Set
(1)	KT3-498SA3	Timing Set - 3 Pc.	(cont'd. next column)			(cont'd. next column)			(1)	1484M	Camshaft Bearing Set
(1)	224-41203	Oil Pump	(cont'd. next column)			(cont'd. next column)			(1)	KC-645	Cam & Lifter Kit
(8)	466NP	Cast Piston	(cont'd. next column)			(cont'd. next column)			(1)	KC-645	Cam & Lifter Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-218C (cont'd.)			MKP-228C			MKP-239A (cont'd.)			MKP-257A (cont'd.)		
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	E-432X	Standard Piston Ring Set	(1)	1557M	Camshaft Bearing Set	(1)	224-51162	Oil Pump Repair Kit
(1)	224-4166	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	KC-633	Cam & Lifter Kit	(6)	481P	Cast Piston
(8)	285NP	Cast Piston				(1)	221-2528S	Timing Gear Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1144	Gasket Kit	(1)	224-4147	Oil Pump	MKP-258A		
MKP-218D			(1)	7242MA	Main Bearing Set	(6)	403P	Cast Piston	(1)	E-415X	Standard Piston Ring Set
(1)	E-178X	Standard Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-715	Cam & Lifter Kit	MKP-239C			(1)	260-1167	Gasket Kit
(1)	260-1152	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	E-234X	Standard Piston Ring Set	(1)	7295MA	Main Bearing Set
(1)	5095MA	Main Bearing Set	(1)	224-4148	Oil Pump	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	1493M	Camshaft Bearing Set
(1)	1484M	Camshaft Bearing Set	(6)	516P	Cast Piston	(1)	260-1129	Gasket Kit	(1)	KC-748	Cam & Lifter Kit
(1)	KC-645	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	4124MA	Main Bearing Set	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	KT3-160S	Timing Set - 3 Pc.	MKP-228H			(1)	1557M	Camshaft Bearing Set	(1)	224-51162	Oil Pump Repair Kit
(1)	224-4166	Oil Pump	(1)	E-432X	Standard Piston Ring Set	(1)	KC-677	Cam & Lifter Kit	(6)	490P .50MM	Cast Piston
(8)	285NP	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	221-2540S	Timing Gear Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1144	Gasket Kit	(1)	224-4147	Oil Pump	MKP-260A		
MKP-218H			(1)	7242MA	Main Bearing Set	(6)	403P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	E-178X	Standard Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-715	Cam & Lifter Kit	MKP-239D			(1)	260-1169	Gasket Kit
(1)	260-1152	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	E-234X	Standard Piston Ring Set	(1)	4125MA	Main Bearing Set
(1)	5095MA	Main Bearing Set	(1)	224-4148	Oil Pump	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	1484M	Camshaft Bearing Set	(6)	516P	Cast Piston	(1)	260-1129	Gasket Kit	(1)	KC-668	Cam & Lifter Kit
(1)	KT3-160S	Timing Set - 3 Pc.	MKP-228L			(1)	4124MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	224-4166	Oil Pump	(1)	E-432X	Standard Piston Ring Set	(1)	1557M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(8)	526P	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	KC-633	Cam & Lifter Kit	(8)	273AP	Cast Piston
(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1144	Gasket Kit	(1)	221-2540S	Timing Gear Set	(1)	381-8015	Brass Expansion Plug Kit
MKP-218J			(1)	7242MA	Main Bearing Set	(1)	224-4147	Oil Pump	MKP-261A		
(1)	E-178X	Standard Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(6)	403P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1152	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	MKP-243A			(1)	260-1170	Gasket Kit
(1)	5095MA	Main Bearing Set	(1)	224-4148	Oil Pump	(1)	E-178X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-1556	Cam & Lifter Kit	MKP-228M			(1)	260-1121	Gasket Kit	(1)	KC-674	Cam & Lifter Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	E-432X	Standard Piston Ring Set	(1)	5024MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	224-4166	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1451M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
(8)	526P	Cast Piston	(1)	260-1144	Gasket Kit	(1)	KC-645	Cam & Lifter Kit	(8)	463P	Cast Piston
(1)	381-8010	Brass Expansion Plug Kit	(1)	5090MA	Main Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
MKP-218K			(1)	1492M	Camshaft Bearing Set	(1)	224-4166	Oil Pump	MKP-261C		
(1)	E-178X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(8)	285NP	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1152	Gasket Kit	(1)	224-4148	Oil Pump	MKP-244C			(1)	260-1170	Gasket Kit
(1)	5095MA	Main Bearing Set	(6)	516P	Cast Piston	(1)	E-178X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-1556	Cam & Lifter Kit	MKP-232A			(1)	260-1154	Gasket Kit	(1)	KC-764	Cam & Lifter Kit
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	E-408X	Standard Piston Ring Set	(1)	5024MA	Main Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	224-4166	Oil Pump	(1)	6-3755A	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
(8)	526P	Cast Piston	(1)	260-1032	Gasket Kit	(1)	KC-645	Cam & Lifter Kit	(8)	463P	Cast Piston
(1)	381-8010	Brass Expansion Plug Kit	(1)	7144MA	Main Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
MKP-218L			(1)	1462M	Camshaft Bearing Set	(1)	224-4166	Oil Pump	MKP-261D		
(1)	E-178X	Standard Piston Ring Set	(1)	KC-702	Cam & Lifter Kit	(8)	285NP	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1152	Gasket Kit	(1)	224-518	Oil Pump Repair Kit	MKP-252A			(1)	260-1170	Gasket Kit
(1)	5095MA	Main Bearing Set	(6)	H471CP 30	Cast Piston	(1)	E-352X	Standard Piston Ring Set	(1)	5078MA	Main Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	381-8035	Brass Expansion Plug Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-645	Cam & Lifter Kit	MKP-233A			(1)	260-1161	Gasket Kit	(1)	KC-764	Cam & Lifter Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	E-408X	Standard Piston Ring Set	(1)	4979M	Main Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	224-4166	Oil Pump	(1)	6-3755A	Connecting Rod Bearing Set	(1)	1443M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
(8)	526P	Cast Piston	(1)	260-1149	Gasket Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(8)	463P	Cast Piston
(1)	381-8010	Brass Expansion Plug Kit	(1)	7144MA	Main Bearing Set	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	381-8015	Brass Expansion Plug Kit
MKP-227K			(1)	1462M	Camshaft Bearing Set	(1)	222-14	Timing Belt	MKP-261D		
(1)	E-432X	Standard Piston Ring Set	(1)	KC-702	Cam & Lifter Kit	(1)	224-41160	Oil Pump	(1)	E-251X	Standard Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	KT3-359SA1	Timing Set - 3 Pc.	(4)	H435P	Cast Piston	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1143	Gasket Kit	(1)	224-518	Oil Pump Repair Kit	(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1170	Gasket Kit
(1)	7242MA	Main Bearing Set	(6)	H471CP 30	Cast Piston	MKP-257A			(1)	5078MA	Main Bearing Set
(1)	1492M	Camshaft Bearing Set	(1)	381-8035	Brass Expansion Plug Kit	(1)	E-415X	Standard Piston Ring Set	(1)	1443M	Camshaft Bearing Set
(1)	KC-715	Cam & Lifter Kit	MKP-239A			(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	E-234X	Standard Piston Ring Set	(1)	260-1166	Gasket Kit	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	224-4148	Oil Pump	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set	(1)	222-14	Timing Belt
(6)	516P	Cast Piston	(1)	260-1129	Gasket Kit	(1)	1493M	Camshaft Bearing Set	(1)	224-41160	Oil Pump
(1)	381-8046	Brass Expansion Plug Kit	(1)	4124MA	Main Bearing Set	(1)	KC-733	Cam & Lifter Kit	(4)	H435P	Cast Piston
					(cont'd. next column)	(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	381-8029	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-265C			MKP-358A (cont'd.)			MKP-386A			MKP-6003A (cont'd.)		
(1)	E-229X	Standard Piston Ring Set	(1)	6676M	Main Bearing Set	(1)	E-415X	Standard Piston Ring Set	(1)	260-1223	Gasket Kit
(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4907M	Main Bearing Set
(1)	260-1174	Gasket Kit	(1)	KC-779	Cam & Lifter Kit	(1)	260-1211	Gasket Kit	(1)	1414M	Camshaft Bearing Set
(1)	4916M	Main Bearing Set	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	7295MA	Main Bearing Set	(1)	KC-648	Cam & Lifter Kit
(1)	1781M	Camshaft Bearing Set	(1)	224-41198	Oil Pump	(1)	1493M	Camshaft Bearing Set	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	KC-1230	Cam & Lifter Kit	(4)	525P	Cast Piston	(1)	KC-748	Cam & Lifter Kit	(1)	224-41144	Oil Pump
(1)	221-2764S	Timing Gear Set	MKP-359A			(1)	KT3-365SA	Timing Set - 3 Pc.	(8)	H418P	Cast Piston
(1)	224-41124	Oil Pump	(1)	E-450X	Standard Piston Ring Set	(1)	224-51162	Oil Pump Repair Kit	(1)	381-8018	Brass Expansion Plug Kit
(6)	H519P	Cast Piston	(1)	4-3310CPA	Connecting Rod Bearing Set	(6)	490P .50MM	Cast Piston	MKP-6004A		
(1)	381-8014	Brass Expansion Plug Kit	(1)	260-1192	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	E-447K	Premium Piston Ring Set
MKP-268A			(1)	6676M	Main Bearing Set	MKP-388A			(1)	8-3810CP	Connecting Rod Bearing Set
(1)	E-296X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	260-1672	Gasket Kit
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	KC-779	Cam & Lifter Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-4029	Valley Pan Gasket Set
(1)	260-1177	Gasket Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	260-1213A	Gasket Kit	(1)	5110M	Main Bearing Set
(1)	4907M	Main Bearing Set	(1)	224-41198	Oil Pump	(1)	4125MA	Main Bearing Set	(1)	1467M	Camshaft Bearing Set
(1)	1414M	Camshaft Bearing Set	(4)	525P	Cast Piston	(1)	1204M	Camshaft Bearing Set	(1)	KC-771	Cam & Lifter Kit
(1)	KC-648	Cam & Lifter Kit	MKP-360A			(1)	KC-761	Cam & Lifter Kit	(1)	221-3342S	Timing Gear Set
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	E-222X	Standard Piston Ring Set	(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	224-41999	Oil Pump
(1)	224-41144	Oil Pump	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	224-41118	Oil Pump	(8)	H729CP	Cast Piston
(8)	H418P	Cast Piston	(1)	260-1193	Gasket Kit	(8)	H273CP	Cast Piston	(1)	381-8056	Brass Expansion Plug Kit
(1)	381-8018	Brass Expansion Plug Kit	(1)	4289M	Main Bearing Set	MKP-391A			MKP-6006A		
MKP-274A			(1)	1244M	Camshaft Bearing Set	(1)	E-476X	Standard Piston Ring Set	(1)	E-477K	Premium Piston Ring Set
(1)	E-251X	Standard Piston Ring Set	(1)	KC-713	Cam & Lifter Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	260-1214	Gasket Kit	(1)	260-1227	Gasket Kit
(1)	260-1189	Gasket Kit	(1)	224-41198	Oil Pump	(1)	4979M	Main Bearing Set	(1)	7047MA	Main Bearing Set
(1)	5107M	Main Bearing Set	(6)	470NP	Cast Piston	(1)	1443M	Camshaft Bearing Set	(1)	1485M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	381-8000	Brass Expansion Plug Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KC-811	Cam & Lifter Kit
(1)	KC-674	Cam & Lifter Kit	MKP-360C			(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	KT3-370S	Timing Set - 3 Pc.
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-222X	Standard Piston Ring Set	(1)	222-14	Timing Belt	(1)	224-4151	Oil Pump
(1)	224-41143	Oil Pump	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	224-41160	Oil Pump	(4)	540P 1.00MM	Cast Piston
(8)	416P	Cast Piston	(1)	260-1193	Gasket Kit	(4)	H491P	Cast Piston	(1)	381-8054	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	4289M	Main Bearing Set	MKP-398A			MKP-6007A		
MKP-274C			(1)	1244M	Camshaft Bearing Set	(1)	E-481X	Standard Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	E-251X	Standard Piston Ring Set	(1)	KC-713	Cam & Lifter Kit	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	KT3-504S	Timing Set - 3 Pc.	(1)	260-1220	Gasket Kit	(1)	260-1228	Gasket Kit
(1)	260-1189	Gasket Kit	(1)	224-41198	Oil Pump	(1)	6101MA	Main Bearing Set	(1)	6689MA	Main Bearing Set
(1)	5078MA	Main Bearing Set	(1)	470NP	Cast Piston	(1)	1838M	Camshaft Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	381-8000	Brass Expansion Plug Kit	(1)	KC-814	Cam & Lifter Kit	(1)	KC-782	Cam & Lifter Kit
(1)	KC-674	Cam & Lifter Kit	MKP-369C			(1)	KT3-60S	Timing Set - 3 Pc.	(1)	221-2542LS	Timing Gear Set
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-454X	Standard Piston Ring Set	(1)	224-43431	Oil Pump	(1)	224-41239	Oil Pump
(1)	224-41143	Oil Pump	(1)	4-3800CPA	Connecting Rod Bearing Set	(6)	520P	Cast Piston	(4)	H547P	Cast Piston
(8)	463P	Cast Piston	(1)	260-1093	Gasket Kit	(1)	381-8064	Brass Expansion Plug Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	6678MA	Main Bearing Set	MKP-398C			MKP-6008A		
MKP-330C			(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-481X	Standard Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	E-416X	Standard Piston Ring Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	222-71	Timing Belt	(1)	260-1220	Gasket Kit	(1)	260-1229	Gasket Kit
(1)	260-1091	Gasket Kit	(1)	224-4168	Oil Pump	(1)	7245MA	Main Bearing Set	(1)	6690MA	Main Bearing Set
(1)	7148M	Main Bearing Set	(4)	527P	Cast Piston	(1)	1838M	Camshaft Bearing Set	(1)	1756M	Camshaft Bearing Set
(1)	67332AF	Thrust Washer Set	(1)	381-8050	Brass Expansion Plug Kit	(1)	KC-814	Cam & Lifter Kit	(1)	KC-781	Cam & Lifter Kit
(1)	CS-719	Camshaft	MKP-382A			(1)	KT3-60S	Timing Set - 3 Pc.	(1)	221-2544S	Timing Gear Set
(1)	KT-1019S	Timing Set - Complete	(1)	E-465X	Standard Piston Ring Set	(1)	224-43431	Oil Pump	(1)	224-41239	Oil Pump
(1)	224-41902	Oil Pump	(1)	4-2380CP	Connecting Rod Bearing Set	(6)	520P	Cast Piston	(4)	H547P	Cast Piston
(4)	12326P	Cast Piston	(1)	260-1208	Gasket Kit	(1)	381-8064	Brass Expansion Plug Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	381-8042	Brass Expansion Plug Kit	(1)	5130M	Main Bearing Set	MKP-6002A			MKP-6009A		
MKP-354A			(1)	1494M	Camshaft Bearing Set	(1)	E-458K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	E-416X	Standard Piston Ring Set	(1)	KC-788	Cam & Lifter Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	260-1169	Gasket Kit	(1)	260-1230	Gasket Kit
(1)	260-1188	Gasket Kit	(4)	489P	Cast Piston	(1)	4125MA	Main Bearing Set	(1)	4123MA	Main Bearing Set
(1)	7148M	Main Bearing Set	MKP-383A			(1)	1204M	Camshaft Bearing Set	(1)	1202M	Camshaft Bearing Set
(1)	67332AF	Thrust Washer Set	(1)	E-465X	Standard Piston Ring Set	(1)	KC-668	Cam & Lifter Kit	(1)	KC-708A	Cam & Lifter Kit
(1)	CS-719	Camshaft	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	221-2525S	Timing Gear Set
(1)	KT-1020S	Timing Set - Complete	(1)	260-1208	Gasket Kit	(1)	224-41118	Oil Pump	(1)	224-4147	Oil Pump
(1)	224-41902	Oil Pump	(1)	5130M	Main Bearing Set	(8)	517CP	Cast Piston	(1)	1108P	Cast Piston
(4)	12326P	Cast Piston	(1)	1494M	Camshaft Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	381-8042	Brass Expansion Plug Kit	(1)	KC-788	Cam & Lifter Kit	MKP-6003A			MKP-601C		
MKP-358A			(1)	KT3-505S	Timing Set - 3 Pc.	(1)	E-296K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set
(1)	E-450X	Standard Piston Ring Set	(4)	489P	Cast Piston	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	4-3310CPA	Connecting Rod Bearing Set	MKP-386A			MKP-6004A			(1)	260-1035	Gasket Kit
(1)	260-1191	Gasket Kit	(1)	E-415X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	4261M	Main Bearing Set
(cont'd. next column)			(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1445M	Camshaft Bearing Set
(cont'd. next column)			(1)	260-1211	Gasket Kit	MKP-6005A			(cont'd. next page)		
(cont'd. next column)			(1)	7295MA	Main Bearing Set	MKP-6006A			(cont'd. next page)		
(cont'd. next column)			(1)	1493M	Camshaft Bearing Set	MKP-6007A			(cont'd. next page)		
(cont'd. next column)			(1)	KC-748	Cam & Lifter Kit	MKP-6008A			(cont'd. next page)		
(cont'd. next column)			(1)	KT3-365SA	Timing Set - 3 Pc.	MKP-6009A			(cont'd. next page)		
(cont'd. next column)			(1)	224-51162	Oil Pump Repair Kit	MKP-6010A			(cont'd. next page)		
(cont'd. next column)			(6)	490P .50MM	Cast Piston	MKP-6011A			(cont'd. next page)		
(cont'd. next column)			(1)	381-8053	Brass Expansion Plug Kit	MKP-6012A			(cont'd. next page)		
(cont'd. next column)			MKP-388A			MKP-6013A			(cont'd. next page)		
(cont'd. next column)			(1)	E-251X	Standard Piston Ring Set	MKP-6014A			(cont'd. next page)		
(cont'd. next column)			(1)	8-2600A	Connecting Rod Bearing Set	MKP-6015A			(cont'd. next page)		
(cont'd. next column)			(1)	260-1213A	Gasket Kit	MKP-6016A			(cont'd. next page)		
(cont'd. next column)			(1)	4125MA	Main Bearing Set	MKP-6017A			(cont'd. next page)		
(cont'd. next column)			(1)	1204M	Camshaft Bearing Set	MKP-6018A			(cont'd. next page)		
(cont'd. next column)			(1)	KC-761	Cam & Lifter Kit	MKP-6019A			(cont'd. next page)		
(cont'd. next column)			(1)	KT3-163SA	Timing Set - 3 Pc.	MKP-6020A			(cont'd. next page)		
(cont'd. next column)			(1)	224-41118	Oil Pump	MKP-6021A			(cont'd. next page)		
(cont'd. next column)			(8)	H273CP	Cast Piston	MKP-6022A			(cont'd. next page)		
(cont'd. next column)			(1)	381-8015	Brass Expansion Plug Kit	MKP-6023A			(cont'd. next page)		
(cont'd. next column)			MKP-391A			MKP-6024A			(cont'd. next page)		
(cont'd. next column)			(1)	E-476X	Standard Piston Ring Set	MKP-6025A			(cont'd. next page)		
(cont'd. next column)			(1)	4-3545A	Connecting Rod Bearing Set	MKP-6026A			(cont'd. next page)		
(cont'd. next column)			(1)	260-1214	Gasket Kit	MKP-6027A			(cont'd. next page)		
(cont'd. next column)			(1)	4979M	Main Bearing Set	MKP-6028A			(cont'd. next page)		
(cont'd. next column)			(1)	1443M	Camshaft Bearing Set	MKP-6029A			(cont'd. next page)		
(cont'd. next column)			(1)	1460M	Auxiliary Shaft Bearing Set	MKP-6030A			(cont'd. next page)		
(cont'd. next column)			(1)	KC-767C	Cam, Lifter & Follower Kit	MKP-6031A			(cont'd. next page)		
(cont'd. next column)			(1)	222-14	Timing Belt	MKP-6032A			(cont'd. next page)		
(cont'd. next column)			(1)	224-41160	Oil Pump	MKP-6033A			(cont'd. next page)		
(cont'd. next column)			(4)	H491P	Cast Piston	MKP-6034A			(cont'd. next page)		
(cont'd. next column)			(1)	381-8029	Brass Expansion Plug Kit	MKP-6035A			(cont'd. next page)		
(cont'd. next column)			MKP-398A			MKP-6036A			(cont'd. next page)		
(cont'd. next column)			(1)	E-481X	Standard Piston Ring Set	MKP-6037A			(cont'd. next page)		
(cont'd. next column)			(1)	6-3055CP	Connecting Rod Bearing Set	MKP-6038A			(cont'd. next page)		
(cont'd. next column)			(1)	260-1220	Gasket Kit	MKP-6039A			(cont'd. next page)		
(cont'd. next column)			(1)	6101MA	Main Bearing Set	MKP-6040A			(cont'd. next page)		
(cont'd. next column)			(1)	1838M	Camshaft Bearing Set	MKP-6041A			(cont'd. next page)		
(cont'd. next column)			(1)	KC-814	Cam & Lifter Kit	MKP-6042A			(cont'd. next page)		
(cont'd. next column)			(1)	KT3-60S	Timing Set - 3 Pc.	MKP-6043A			(cont'd. next page)		
(cont'd. next column)			(1)	224-43431	Oil Pump	MKP-6044A			(cont'd. next page)		
(cont'd. next column)			(6)	520P	Cast Piston	MKP-6045A			(cont'd. next page)		
(cont'd. next column)			(1)	381-8064	Brass Expansion Plug Kit	MKP-6046A			(cont'd. next page)		
(cont'd. next column)			MKP-398C			MKP-6047A			(cont'd. next page)		
(cont'd. next column)			(1)	E-481X	Standard Piston Ring Set	MKP-6048A			(cont'd. next page)		
(cont'd. next column)			(1)	6-3055CP	Connecting Rod Bearing Set	MKP-6049A			(cont'd. next page)		
(cont'd. next column)			(1)	260-1220	Gasket Kit	MKP-6050A			(cont'd. next page)		
(cont'd. next column)			(1)	7245MA	Main Bearing Set	MKP-6051A			(cont'd. next page)		
(cont'd. next column)			(1)	1838M	Camshaft Bearing Set	MKP-6052A			(cont'd. next page)		
(cont'd. next column)			(1)	KC-814	Cam & Lifter Kit	MKP-6053A			(cont'd. next page)		
(cont'd. next column)			(1)	KT3-60S	Timing Set - 3 Pc.	MKP-6054A			(cont'd. next page)		
(cont'd. next column)			(1)	224-43431	Oil Pump	MKP-6055A			(cont'd. next page)		
(cont'd. next column)			(6)	520P	Cast Piston	MKP-6056A			(cont'd. next page)		
(cont'd. next column)			(1)	381-8064	Brass Expansion Plug Kit	MKP-6057A			(cont'd. next page)		
(cont'd. next column)			MKP-6002A			MKP-6058A			(cont'd. next page)		
(cont'd. next column)			(1)	E-458K	Premium Piston Ring Set	MKP-6059A			(cont'd. next page)		
(cont'd. next column)			(1)	8-2600A	Connecting Rod Bearing Set	MKP-6060A			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-601C (cont'd.)			MKP-601P (cont'd.)			MKP-6020A (cont'd.)			MKP-6026E (cont'd.)		
(1)	KC-643	Cam & Lifter Kit	(1)	381-8017	Brass Expansion Plug Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	MKP-6010A			(1)	260-1240	Gasket Kit	(1)	KC-711	Cam & Lifter Kit
(1)	224-41177	Oil Pump	(1)	E-450K	Premium Piston Ring Set	(1)	5085MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(8)	H304P	Cast Piston	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	260-1231	Gasket Kit	(1)	KC-756	Cam & Lifter Kit	(8)	536NP	Cast Piston
MKP-601D			(1)	4123MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	1202M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKP-6027A		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	KC-708A	Cam & Lifter Kit	(6)	640P	Cast Piston	(1)	E-356K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	221-2525S	Timing Gear Set	(1)	381-8058	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	(1)	224-4147	Oil Pump	MKP-6021A			(1)	260-1247	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(4)	1108P	Cast Piston	(1)	E-459K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	KC-643	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	MKP-6011B			(1)	260-1241	Gasket Kit	(1)	KC-793	Cam & Lifter Kit
(1)	224-41173	Oil Pump	(1)	E-432K	Premium Piston Ring Set	(1)	5085MA	Main Bearing Set	(1)	KT3-499SA3	Timing Set - 3 Pc.
(8)	H304P	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	260-1232	Gasket Kit	(1)	KC-783	Cam & Lifter Kit	(8)	536NP	Cast Piston
MKP-601E			(1)	7242MA	Main Bearing Set	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKP-6027C		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(6)	640P	Cast Piston	(1)	E-356K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8058	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	(1)	224-4148	Oil Pump	MKP-6024C			(1)	260-1247	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(6)	516P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	KC-642	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	MKP-6011C			(1)	260-1243	Gasket Kit	(1)	KC-808	Cam & Lifter Kit
(1)	224-41177	Oil Pump	(1)	E-432K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	KT3-499SA3	Timing Set - 3 Pc.
(8)	H304P	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	260-1232	Gasket Kit	(1)	KC-766	Cam & Lifter Kit	(8)	536NP	Cast Piston
MKP-601F			(1)	7242MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKP-603A		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(8)	534NP	Cast Piston	(1)	E-196K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	6-3695RA	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	(1)	224-4152	Oil Pump	MKP-6024D			(1)	260-1004	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(6)	516P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	5070M	Main Bearing Set
(1)	KC-643	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1454M	Camshaft Bearing Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	MKP-6012E			(1)	260-1243	Gasket Kit	(1)	KC-380	Cam & Lifter Kit
(1)	224-41173	Oil Pump	(1)	E-478K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	KT3-495SA	Timing Set - 3 Pc.
(8)	381NP	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	224-4165C	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	260-1233	Gasket Kit	(1)	KC-711	Cam & Lifter Kit	(6)	244NP	Cast Piston
MKP-601M			(1)	7242MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8012	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKP-603C		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(8)	534NP	Cast Piston	(1)	E-196K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	6-3695RA	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	(1)	224-4148	Oil Pump	MKP-6026A			(1)	260-1004	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(6)	531P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	5070M	Main Bearing Set
(1)	KC-643	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1473M	Camshaft Bearing Set
(1)	KT3-494SA3	Timing Set - 3 Pc.	MKP-6019A			(1)	260-1246	Gasket Kit	(1)	KC-380	Cam & Lifter Kit
(1)	224-41173	Oil Pump	(1)	E-459K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	KT3-495SA	Timing Set - 3 Pc.
(8)	381NP	Cast Piston	(1)	6-1020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set	(1)	224-4165C	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	260-1239	Gasket Kit	(1)	KC-766	Cam & Lifter Kit	(6)	244NP	Cast Piston
MKP-601N			(1)	5085MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8012	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	MKP-6036A		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	KC-756	Cam & Lifter Kit	(8)	536NP	Cast Piston	(1)	E-217K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	6-2555A	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	(1)	224-4146	Oil Pump	MKP-6026C			(1)	260-1267	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(1)	381-8049	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set	(1)	4124MA	Main Bearing Set
(1)	KC-643	Cam & Lifter Kit	MKP-602A			(1)	8-2555A	Connecting Rod Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KT3-494SA1	Timing Set - 3 Pc.	(1)	E-196K	Premium Piston Ring Set	(1)	260-1246	Gasket Kit	(1)	KC-551	Cam & Lifter Kit
(1)	224-41173	Oil Pump	(1)	6-2375CP	Connecting Rod Bearing Set	(1)	4663MA	Main Bearing Set	(1)	221-2528S	Timing Gear Set
(8)	H395P	Cast Piston	(1)	260-1004	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	224-4147	Oil Pump
(1)	381-8017	Brass Expansion Plug Kit	(1)	1454M	Camshaft Bearing Set	(1)	KC-793	Cam & Lifter Kit	(6)	H909P	Cast Piston
MKP-601P			(1)	KC-380	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	381-8006	Brass Expansion Plug Kit
(1)	E-180K	Premium Piston Ring Set	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	MKP-6037A		
(1)	8-3230CP	Connecting Rod Bearing Set	(1)	224-4165C	Oil Pump	(8)	536NP	Cast Piston	(1)	E-251K	Premium Piston Ring Set
(1)	260-1035	Gasket Kit	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	4261M	Main Bearing Set	MKP-6020A			MKP-6026E			(1)	260-1268	Gasket Kit
(1)	1445M	Camshaft Bearing Set	(1)	E-459K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	KC-643	Cam & Lifter Kit	(cont'd. next column)			(1)	8-2555A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KT3-494SA3	Timing Set - 3 Pc.				(1)	260-1246	Gasket Kit	(1)	KC-274	Cam & Lifter Kit
(1)	224-41173	Oil Pump				(1)	4663MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(8)	H395P	Cast Piston				(cont'd. next column)			(1)	224-4146	Oil Pump
(cont'd. next column)			(cont'd. next column)			(cont'd. next page)					

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-6037A (cont'd.)			MKP-606D			MKP-608D (cont'd.)			MKP-6093A (cont'd.)		
(8)	423NP	Cast Piston	(1)	E-217K	Premium Piston Ring Set	(1)	5071M	Main Bearing Set	(1)	224-4168	Oil Pump
(1)	381-8059	Brass Expansion Plug Kit	(6)	2555A	Connecting Rod Bearing Pair	(1)	1439M	Camshaft Bearing Set	(4)	527P	Cast Piston
MKP-6037C									MKP-6093C		
(1)	E-251K	Premium Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	KC-658	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	KT3-351S	Timing Set - 3 Pc.			
(1)	260-1268	Gasket Kit	(1)	1203M	Camshaft Bearing Set	(1)	224-41146	Oil Pump			
(1)	4663MA	Main Bearing Set	(1)	KC-551	Cam & Lifter Kit	(6)	275NP	Cast Piston			
(1)	1235M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set	(1)	381-8013	Brass Expansion Plug Kit			
(1)	KC-274	Cam & Lifter Kit	(1)	224-4147	Oil Pump	MKP-6084A					
(1)	KT3-163S	Timing Set - 3 Pc.	(1)	H909P	Cast Piston	(1)	E-468K	Premium Piston Ring Set	(1)	260-1425	Gasket Kit
(1)	224-4146	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	8-3860P	Connecting Rod Bearing Set	(1)	6678MA	Main Bearing Set
(8)	423NP	Cast Piston	MKP-606E						(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8059	Brass Expansion Plug Kit	(1)	E-217K	Premium Piston Ring Set	(1)	260-1315	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit
MKP-604A			(6)	2555A	Connecting Rod Bearing Pair	(1)	7370M	Main Bearing Set	(1)	222-153	Timing Belt
(1)	E-196K	Premium Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	1496M	Camshaft Bearing Set	(1)	224-4168	Oil Pump
(1)	6-3695RA	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	KC-770	Cam & Lifter Kit	(4)	571CP	Cast Piston
(1)	260-1038	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	KT3-181S	Timing Set - 3 Pc.	(1)	381-8050	Brass Expansion Plug Kit
(1)	5070M	Main Bearing Set	(1)	KC-551	Cam & Lifter Kit	(1)	224-43424	Oil Pump	MKP-6094A		
(1)	1473M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set	(8)	H587P	Cast Piston	(1)	E-453K	Premium Piston Ring Set
(1)	KC-709	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	381-8057	Brass Expansion Plug Kit	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	KT3-495SA	Timing Set - 3 Pc.	(6)	H909P	Cast Piston	MKP-6086C			(1)	260-1426	Gasket Kit
(1)	224-4165C	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	E-233K	Premium Piston Ring Set	(1)	6678MA	Main Bearing Set
(6)	244NP	Cast Piston	MKP-607A			(1)	8-3190A	Connecting Rod Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8012	Brass Expansion Plug Kit	(1)	E-217K	Premium Piston Ring Set	(1)	260-1418	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit
MKP-605D			(1)	6-2555A	Connecting Rod Bearing Set	(1)	4400MA	Main Bearing Set	(1)	222-153	Timing Belt
(1)	E-197K	Premium Piston Ring Set	(1)	260-1044	Gasket Kit	(1)	1404M	Camshaft Bearing Set	(1)	224-4168	Oil Pump
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	KC-774	Cam & Lifter Kit	(4)	H579P	Cast Piston
(1)	260-1002	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	381-8050	Brass Expansion Plug Kit
(1)	4222M	Main Bearing Set	(1)	KC-551	Cam & Lifter Kit	(8)	H518CP	Cast Piston	MKP-6094C		
(1)	1439M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set	(1)	381-8009	Brass Expansion Plug Kit	(1)	E-453K	Premium Piston Ring Set
(1)	KC-261	Cam & Lifter Kit	(1)	224-4147	Oil Pump	MKP-6087A			(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(6)	H909P	Cast Piston	(1)	E-229K	Premium Piston Ring Set	(1)	260-1426	Gasket Kit
(1)	224-41146	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	6678MA	Main Bearing Set
(6)	302NP	Cast Piston	MKP-607B			(1)	260-1420	Gasket Kit	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8013	Brass Expansion Plug Kit	(1)	E-217K	Premium Piston Ring Set	(1)	4916M	Main Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit
MKP-605G			(6)	2555A	Connecting Rod Bearing Pair	(1)	1781M	Camshaft Bearing Set	(1)	222-153	Timing Belt
(1)	E-197K	Premium Piston Ring Set	(1)	260-1044	Gasket Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	224-4168	Oil Pump
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	221-2764S	Timing Gear Set	(4)	533P	Cast Piston
(1)	260-1002	Gasket Kit	(1)	1557M	Camshaft Bearing Set	(1)	224-41124	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit
(1)	4222M	Main Bearing Set	(1)	KC-551	Cam & Lifter Kit	MKP-6091A			MKP-6094D		
(1)	1439M	Camshaft Bearing Set	(1)	221-2528S	Timing Gear Set	(1)	E-509K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set
(1)	KC-448	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	8-3810CP	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(6)	H909P	Cast Piston	(1)	260-1673	Gasket Kit	(1)	260-1426	Gasket Kit
(1)	224-41146	Oil Pump	(1)	381-8006	Brass Expansion Plug Kit	(1)	260-4029	Valley Pan Gasket Set	(1)	6678MA	Main Bearing Set
(6)	302NP	Cast Piston	MKP-608A			(1)	5110M	Main Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8013	Brass Expansion Plug Kit	(1)	E-219K	Premium Piston Ring Set	(1)	1467M	Camshaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit
MKP-606A			(1)	6-2380CP	Connecting Rod Bearing Set	(1)	KC-771	Cam & Lifter Kit	(1)	222-71	Timing Belt
(1)	E-217K	Premium Piston Ring Set	(1)	260-1002	Gasket Kit	(1)	221-3342S	Timing Gear Set	(1)	224-4168	Oil Pump
(1)	6-2555A	Connecting Rod Bearing Set	(1)	4290M	Main Bearing Set	(8)	H651CP	Cast Piston	(4)	533P	Cast Piston
(1)	260-1005	Gasket Kit	(1)	1439M	Camshaft Bearing Set	(1)	381-8056	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit
(1)	4124MA	Main Bearing Set	(1)	KC-448	Cam & Lifter Kit	MKP-6092A			MKP-6097A		
(1)	1203M	Camshaft Bearing Set	(1)	KT3-351S	Timing Set - 3 Pc.	(1)	E-234K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set
(1)	KC-551	Cam & Lifter Kit	(1)	224-41146	Oil Pump	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	221-2528S	Timing Gear Set	(6)	275NP	Cast Piston	(1)	260-1424	Gasket Kit	(1)	260-1427	Gasket Kit
(1)	224-4147	Oil Pump	(1)	381-8013	Brass Expansion Plug Kit	(1)	4289M	Main Bearing Set	(1)	6678MA	Main Bearing Set
(6)	H909P	Cast Piston	MKP-608C			(1)	1244M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-219K	Premium Piston Ring Set	(1)	KC-809	Cam & Lifter Kit	(1)	KC-785C	Cam, Lifter & Follower Kit
MKP-606C			(1)	6-2380CP	Connecting Rod Bearing Set	(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	222-132	Timing Belt
(1)	E-217K	Premium Piston Ring Set	(1)	260-1002	Gasket Kit	(1)	224-41198	Oil Pump	(1)	224-4168	Oil Pump
(1)	6-2555A	Connecting Rod Bearing Set	(1)	4290M	Main Bearing Set	(6)	677P	Cast Piston	(4)	533P	Cast Piston
(1)	260-1005	Gasket Kit	(1)	1439M	Camshaft Bearing Set	MKP-6093A			(1)	381-8050	Brass Expansion Plug Kit
(1)	4124MA	Main Bearing Set	(1)	KC-658	Cam & Lifter Kit	(1)	E-454K	Premium Piston Ring Set	(1)	260-1428	Gasket Kit
(1)	1557M	Camshaft Bearing Set	(1)	KT3-351S	Timing Set - 3 Pc.	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	7050MA	Main Bearing Set
(1)	KC-551	Cam & Lifter Kit	(1)	224-41146	Oil Pump	(1)	260-1425	Gasket Kit	(1)	1790M	Camshaft Bearing Set
(1)	221-2528S	Timing Gear Set	(6)	275NP	Cast Piston	(1)	6678MA	Main Bearing Set	(1)	KC-842	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	381-8013	Brass Expansion Plug Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.
(6)	H909P	Cast Piston	MKP-608D			(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	224-4166	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-219K	Premium Piston Ring Set	(1)	222-153	Timing Belt	(6)	656P	Cast Piston
			(1)	6-2380CP	Connecting Rod Bearing Set				(1)	381-8061	Brass Expansion Plug Kit
			(1)	260-1002	Gasket Kit						
			(cont'd. next column)								

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-6098C			MKP-6110A (cont'd.)			MKP-6114B			MKP-612E (cont'd.)		
(1)	E-536K	Premium Piston Ring Set	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	E-471K	Premium Piston Ring Set	(1)	4916M	Main Bearing Set
(1)	6-1460A	Connecting Rod Bearing Set	(1)	224-41101	Oil Pump	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1450M	Camshaft Bearing Set
(1)	260-1428	Gasket Kit	(6)	H497P	Cast Piston	(1)	260-1444	Gasket Kit	(1)	KC-1230	Cam & Lifter Kit
(1)	7050MA	Main Bearing Set	(1)	381-8072	Brass Expansion Plug Kit	(1)	7295MA	Main Bearing Set	(1)	221-2764S	Timing Gear Set
(1)	1790M	Camshaft Bearing Set	MKP-6111A			(1)	1886M	Camshaft Bearing Set	(1)	224-41124	Oil Pump
(1)	KC-829	Cam & Lifter Kit	(1)	E-471K	Premium Piston Ring Set	(1)	KC-860	Cam & Lifter Kit	(6)	H519P	Cast Piston
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8014	Brass Expansion Plug Kit
(1)	224-4166	Oil Pump	(1)	260-1441	Gasket Kit	(1)	224-51380	Oil Pump Repair Kit	MKP-6120A		
(6)	656P	Cast Piston	(1)	7295MA	Main Bearing Set	(1)	H523P	Cast Piston	(1)	E-446K	Premium Piston Ring Set
(1)	381-8061	Brass Expansion Plug Kit	(1)	1886M	Camshaft Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	6-1220RA	Connecting Rod Bearing Set
MKP-6099C			(1)	KC-786	Cam & Lifter Kit	MKP-6114C			(1)	260-1222	Gasket Kit
(1)	E-536K	Premium Piston Ring Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-471K	Premium Piston Ring Set	(1)	7011MA	Main Bearing Set
(1)	6-1460A	Connecting Rod Bearing Set	(1)	224-51380	Oil Pump Repair Kit	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set
(1)	260-1429	Gasket Kit	(6)	H523P	Cast Piston	(1)	260-1444	Gasket Kit	(1)	KC-787	Cam & Lifter Kit
(1)	7050MA	Main Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	7295MA	Main Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.
(1)	1790M	Camshaft Bearing Set	MKP-6111C			(1)	1886M	Camshaft Bearing Set	(1)	224-41101	Oil Pump
(1)	KC-1501	Cam & Lifter Kit	(1)	E-471K	Premium Piston Ring Set	(1)	KC-860	Cam & Lifter Kit	(6)	H497P	Cast Piston
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	381-8072	Brass Expansion Plug Kit
(1)	224-4166	Oil Pump	(1)	260-1441	Gasket Kit	(1)	224-43567	Oil Pump	MKP-6121A		
(6)	656P	Cast Piston	(1)	7295MA	Main Bearing Set	(1)	H523P	Cast Piston	(1)	E-458K	Premium Piston Ring Set
(1)	381-8061	Brass Expansion Plug Kit	(1)	1886M	Camshaft Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set
MKP-6103C			(1)	KC-786	Cam & Lifter Kit	MKP-6115A			(1)	260-1451	Gasket Kit
(1)	E-470KC	Premium Piston Ring Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-458K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set
(1)	4-1400AA	Connecting Rod Bearing Set	(1)	224-43567	Oil Pump	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	260-1205	Gasket Kit	(6)	H523P	Cast Piston	(1)	260-1445	Gasket Kit	(1)	KC-668	Cam & Lifter Kit
(1)	6695MA	Main Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	4125MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	KC-790	Cam & Lifter Kit	MKP-6112B			(1)	1204M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(1)	222-67	Timing Belt	(1)	E-471K	Premium Piston Ring Set	(1)	KC-760	Cam & Lifter Kit	(8)	517CP	Cast Piston
(1)	224-41972	Oil Pump	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
(4)	H529P	Cast Piston	(1)	260-1442	Gasket Kit	(1)	224-41118	Oil Pump	MKP-6121C		
MKP-6105A			(1)	7295MA	Main Bearing Set	(8)	H606P	Cast Piston	(1)	E-458K	Premium Piston Ring Set
(1)	E-442KC	Premium Piston Ring Set	(1)	1886M	Camshaft Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	KC-860	Cam & Lifter Kit	MKP-6116A			(1)	260-1451	Gasket Kit
(1)	260-1434	Gasket Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set
(1)	4979M	Main Bearing Set	(1)	224-51380	Oil Pump Repair Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	1443M	Camshaft Bearing Set	(6)	H523P	Cast Piston	(1)	260-1446	Gasket Kit	(1)	KC-668	Cam & Lifter Kit
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	KC-767C	Cam, Lifter & Follower Kit	MKP-6112C			(1)	1204M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(1)	222-14	Timing Belt	(1)	E-471K	Premium Piston Ring Set	(1)	KC-764	Cam & Lifter Kit	(8)	517CP	Cast Piston
(1)	224-41160V	Oil Pump	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
(4)	H537P	Cast Piston	(1)	260-1442	Gasket Kit	(1)	224-41143	Oil Pump	MKP-6123A		
(1)	381-8029	Brass Expansion Plug Kit	(1)	7295MA	Main Bearing Set	(8)	463P	Cast Piston	(1)	E-296K	Premium Piston Ring Set
MKP-6106A			(1)	1886M	Camshaft Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	E-465K	Premium Piston Ring Set	(1)	KC-860	Cam & Lifter Kit	MKP-612C			(1)	260-1452	Gasket Kit
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-229K	Premium Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	260-1436	Gasket Kit	(1)	224-43567	Oil Pump	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	5130M	Main Bearing Set	(6)	H523P	Cast Piston	(1)	260-1006	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	1494M	Camshaft Bearing Set	(1)	381-8053	Brass Expansion Plug Kit	(1)	4916M	Main Bearing Set	(1)	KT3-168SA2	Timing Set - 3 Pc.
(1)	KC-788	Cam & Lifter Kit	MKP-6113B			(1)	1450M	Camshaft Bearing Set	(1)	224-41144	Oil Pump
(1)	KT3-505S	Timing Set - 3 Pc.	(1)	E-471K	Premium Piston Ring Set	(1)	KC-1230	Cam & Lifter Kit	(8)	H582P	Cast Piston
(1)	224-41100	Oil Pump	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	221-2750LS	Timing Gear Set	(1)	381-8018	Brass Expansion Plug Kit
(4)	489P	Cast Piston	(1)	260-1443	Gasket Kit	(1)	224-41124	Oil Pump	MKP-6124A		
MKP-6107A			(1)	7295MA	Main Bearing Set	(6)	352NP	Cast Piston	(1)	E-296K	Premium Piston Ring Set
(1)	E-465K	Premium Piston Ring Set	(1)	1886M	Camshaft Bearing Set	(1)	381-8014	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	KC-786	Cam & Lifter Kit	MKP-612D			(1)	260-1453	Gasket Kit
(1)	260-1437	Gasket Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-229K	Premium Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	5130M	Main Bearing Set	(1)	224-51380	Oil Pump Repair Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	1494M	Camshaft Bearing Set	(6)	H523P	Cast Piston	(1)	260-1006	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	KC-788	Cam & Lifter Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	4916M	Main Bearing Set	(1)	KT3-168SA2	Timing Set - 3 Pc.
(1)	KT3-505S	Timing Set - 3 Pc.	MKP-6113C			(1)	1450M	Camshaft Bearing Set	(1)	224-41144	Oil Pump
(1)	224-41100	Oil Pump	(1)	E-471K	Premium Piston Ring Set	(1)	KC-1230	Cam & Lifter Kit	(8)	H582P	Cast Piston
(4)	489P	Cast Piston	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	221-2750LS	Timing Gear Set	(1)	381-8018	Brass Expansion Plug Kit
MKP-6110A			(1)	260-1443	Gasket Kit	(1)	224-41124	Oil Pump	MKP-6124A		
(1)	E-446K	Premium Piston Ring Set	(1)	7295MA	Main Bearing Set	(6)	1109P	Cast Piston	(1)	E-233K	Premium Piston Ring Set
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	1886M	Camshaft Bearing Set	(1)	381-8014	Brass Expansion Plug Kit	(1)	8-3190A	Connecting Rod Bearing Set
(1)	260-1210	Gasket Kit	(1)	KC-786	Cam & Lifter Kit	MKP-612E			(1)	260-1009	Gasket Kit
(1)	7011MA	Main Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	E-229K	Premium Piston Ring Set	(1)	4400MA	Main Bearing Set
(1)	1843M	Camshaft Bearing Set	(1)	224-43567	Oil Pump	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	KC-787	Cam & Lifter Kit	(6)	H523P	Cast Piston	(1)	260-1006	Gasket Kit	(1)	KC-660	Cam & Lifter Kit
(cont'd. next column)			(1)	381-8053	Brass Expansion Plug Kit	(cont'd. next column)			(1)	KT3-501SA	Timing Set - 3 Pc.
									(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-613C (cont'd.)			MKP-614A (cont'd.)			MKP-614H (cont'd.)			MKP-615E (cont'd.)		
(1)	224-4154	Oil Pump	(1)	4124MA	Main Bearing Set	(1)	224-4147	Oil Pump	(1)	4124MA	Main Bearing Set
(8)	H661CP	Cast Piston	(1)	1557M	Camshaft Bearing Set	(6)	403P	Cast Piston	(1)	1557M	Camshaft Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit
MKP-613E			MKP-614C			MKP-6140A			MKP-6151A		
(1)	E-233K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-533K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set
(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1009	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	260-1467	Gasket Kit	(1)	260-1478	Gasket Kit
(1)	4400MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1404M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-774	Cam & Lifter Kit	(1)	KC-633	Cam & Lifter Kit	(1)	KC-1505	Cam & Lifter Kit	(1)	KC-808	Cam & Lifter Kit
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set	(1)	KT3-377S	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.
(1)	224-4154	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-51379	Oil Pump Repair Kit	(1)	224-4146A	Oil Pump
(8)	H661CP	Cast Piston	(6)	403P	Cast Piston	(6)	H564P	Cast Piston	(8)	550P	Cast Piston
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
MKP-6131A			MKP-614D			MKP-6141A			MKP-6152A		
(1)	E-531K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-532K	Premium Piston Ring Set	(1)	E-530K	Premium Piston Ring Set
(1)	4-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1227	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	260-1469	Gasket Kit	(1)	260-1478	Gasket Kit
(1)	7047MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	1485M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-811	Cam & Lifter Kit	(1)	KC-633	Cam & Lifter Kit	(6)	H558P	Cast Piston	(1)	KC-808	Cam & Lifter Kit
(1)	KT3-370S	Timing Set - 3 Pc.	(1)	221-2525S	Timing Gear Set	(1)	KT3-381S	Timing Set - 3 Pc.	(1)	KT3-499SA3	Timing Set - 3 Pc.
(1)	224-4151	Oil Pump	(1)	224-4147	Oil Pump	(1)	6-3755A	Connecting Rod Bearing Set	(1)	224-4146A	Oil Pump
(4)	569P	Cast Piston	(6)	1107P	Cast Piston	(1)	381-8073	Brass Expansion Plug Kit	(8)	H597CP	Cast Piston
MKP-6132C			MKP-614E			MKP-6141E			MKP-6153A		
(1)	E-535K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-532K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set
(1)	4-1540A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1460	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	260-1469	Gasket Kit	(1)	260-1268	Gasket Kit
(1)	7054MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	7144MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	KC-831	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	1755M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	KC-832	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit	(1)	KT3-381S	Timing Set - 3 Pc.	(1)	KC-766	Cam & Lifter Kit
(1)	KT3-D130SA	Timing Set - 3 Pc.	(1)	221-2525S	Timing Gear Set	(6)	H558P	Cast Piston	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-43435	Oil Pump	(1)	224-4147	Oil Pump	(1)	381-8073	Brass Expansion Plug Kit	(1)	224-4146A	Oil Pump
(4)	H566P	Cast Piston	(6)	1107P	Cast Piston	(1)	381-8073	Brass Expansion Plug Kit	(8)	550P	Cast Piston
MKP-6134A			MKP-614F			MKP-6148A			MKP-6154A		
(1)	E-384K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1464	Gasket Kit	(1)	260-1005	Gasket Kit	(1)	260-1477	Gasket Kit	(1)	260-1482	Gasket Kit
(1)	6689MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	6689MA	Main Bearing Set
(1)	1461M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	KC-782	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit	(1)	KC-758	Cam & Lifter Kit	(1)	KC-782	Cam & Lifter Kit
(1)	221-2542LS	Timing Gear Set	(1)	221-2525S	Timing Gear Set	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	221-2542LS	Timing Gear Set
(4)	H547P	Cast Piston	(1)	224-4147	Oil Pump	(1)	224-41203	Oil Pump	(1)	224-41239	Oil Pump
(1)	381-8074	Brass Expansion Plug Kit	(6)	403P	Cast Piston	(8)	H801CP	Cast Piston	(4)	H547P	Cast Piston
MKP-6135A			(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	E-384K	Premium Piston Ring Set	MKP-614G			MKP-6148D			MKP-6155A		
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	260-1462	Gasket Kit	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	6690MA	Main Bearing Set	(1)	260-1005	Gasket Kit	(1)	260-1477	Gasket Kit	(1)	260-1482	Gasket Kit
(1)	1756M	Camshaft Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	6689MA	Main Bearing Set
(1)	KC-781	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	221-2544S	Timing Gear Set	(1)	KC-633	Cam & Lifter Kit	(1)	KC-850	Cam & Lifter Kit	(1)	KC-782	Cam & Lifter Kit
(4)	H547P	Cast Piston	(1)	221-2540S	Timing Gear Set	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	221-2542LS	Timing Gear Set
(1)	381-8074	Brass Expansion Plug Kit	(1)	224-4147	Oil Pump	(1)	224-41203	Oil Pump	(1)	224-41239	Oil Pump
MKP-6136A			(6)	403P	Cast Piston	(8)	H801CP	Cast Piston	(4)	H547P	Cast Piston
(1)	E-384K	Premium Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	4-2500RAA	Connecting Rod Bearing Set	MKP-614H			MKP-615A			MKP-6156A		
(1)	260-1463	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	6690MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set
(1)	1756M	Camshaft Bearing Set	(1)	260-1005	Gasket Kit	(1)	260-1019	Gasket Kit	(1)	260-1269	Gasket Kit
(1)	KC-781	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4663MA	Main Bearing Set
(1)	221-2544S	Timing Gear Set	(1)	1557M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(4)	H547CP	Cast Piston	(1)	KC-677	Cam & Lifter Kit	(1)	KC-677	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	381-8074	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set	(1)	221-2540S	Timing Gear Set	(1)	KT3-499S	Timing Set - 3 Pc.
MKP-614A			(1)	224-4147	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump
(1)	E-234K	Premium Piston Ring Set	(1)	403P	Cast Piston	(6)	403P	Cast Piston	(8)	423NP	Cast Piston
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
(1)	260-1005	Gasket Kit	MKP-615E			MKP-6156C			MKP-6156C		
(1)	4124MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	260-1269	Gasket Kit
(1)	1203M	Camshaft Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	4663MA	Main Bearing Set
(1)	KC-633	Cam & Lifter Kit	(1)	260-1019	Gasket Kit	(1)	260-1019	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	221-2525S	Timing Gear Set	MKP-615E			MKP-615E			(1)	KC-274	Cam & Lifter Kit
(cont'd. next column)			(1)	E-234K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	KT3-4SR46	Timing Set - 3 Pc.
(cont'd. next column)			(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(cont'd. next page)		
(cont'd. next column)			(1)	260-1005	Gasket Kit	(1)	260-1019	Gasket Kit	(cont'd. next page)		
(cont'd. next column)			(1)	4124MA	Main Bearing Set	(cont'd. next column)			(cont'd. next page)		
(cont'd. next column)			(1)	1203M	Camshaft Bearing Set	(cont'd. next column)			(cont'd. next page)		
(cont'd. next column)			(1)	KC-633	Cam & Lifter Kit	(cont'd. next column)			(cont'd. next page)		
(cont'd. next column)			(1)	221-2525S	Timing Gear Set	(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-6156C (cont'd.)			MKP-618D			MKP-6184C (cont'd.)			MKP-619G		
(1)	224-4146	Oil Pump	(1)	E-243K	Premium Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	E-245K	Premium Piston Ring Set
(8)	423NP	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(6)	H562CP	Cast Piston	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	381-8059	Brass Expansion Plug Kit				(1)	381-8085	Brass Expansion Plug Kit			
MKP-6156D						MKP-6186A					
(1)	E-251K	Premium Piston Ring Set	(1)	260-1016	Gasket Kit	(1)	E-476K	Premium Piston Ring Set	(1)	260-1000	Gasket Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4926MA	Main Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	994M	Main Bearing Set
(1)	260-1269	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	4979M	Main Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	4663MA	Main Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	1443M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	260-1526	Gasket Kit	(1)	224-4149	Oil Pump
(1)	KT3-163S	Timing Set - 3 Pc.	(8)	400AP	Cast Piston	(1)	4979M	Main Bearing Set	(8)	235NP	Cast Piston
(1)	224-4146	Oil Pump				(1)	1443M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	423NP	Cast Piston	MKP-618E			(1)	KC-767C	Cam, Lifter & Follower Kit	MKP-620B		
(1)	381-8059	Brass Expansion Plug Kit	(1)	E-243K	Premium Piston Ring Set	(1)	222-14	Timing Belt	(1)	E-245K	Premium Piston Ring Set
			(1)	8-2555A	Connecting Rod Bearing Set	(1)	224-41160	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set
						(4)	H491P	Cast Piston			
			(1)	260-1016	Gasket Kit	(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit
			(1)	4926MA	Main Bearing Set				(1)	4663MA	Main Bearing Set
			(1)	1235M	Camshaft Bearing Set				(1)	1235M	Camshaft Bearing Set
			(1)	KC-274	Cam & Lifter Kit				(1)	KC-274	Cam & Lifter Kit
			(1)	KT3-163S	Timing Set - 3 Pc.				(1)	KT3-499S	Timing Set - 3 Pc.
			(1)	224-4146	Oil Pump				(1)	224-4146	Oil Pump
			(8)	400AP	Cast Piston				(8)	295P	Cast Piston
			(1)	381-8008	Brass Expansion Plug Kit				(1)	381-8007	Brass Expansion Plug Kit
MKP-616A						MKP-619A					
(1)	E-234K	Premium Piston Ring Set	(1)	E-510KC	Premium Piston Ring Set	(1)	E-245K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	260-1037	Gasket Kit	(1)	260-1503	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	260-1616	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	7148M	Main Bearing Set	(1)	994M	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	1557M	Camshaft Bearing Set	(1)	67333AF	Thrust Washer Set	(1)	1145M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	KC-677	Cam & Lifter Kit	(1)	CS-719	Camshaft	(1)	KC-274	Cam & Lifter Kit	(1)	KC-785C	Cam, Lifter & Follower Kit
(1)	221-2540S	Timing Gear Set	(1)	KT-1028S	Timing Set - Complete	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	222-153	Timing Belt
(1)	224-4147	Oil Pump	(1)	224-41940	Oil Pump	(1)	224-4146	Oil Pump	(1)	224-4168	Oil Pump
(6)	403P	Cast Piston	(4)	12886CP	Cast Piston	(8)	235NP	Cast Piston	(4)	571CP	Cast Piston
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8042	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit
MKP-617A			MKP-6182A			MKP-619C			MKP-6205A		
(1)	E-240K	Premium Piston Ring Set	(1)	E-510KC	Premium Piston Ring Set	(1)	E-245K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set
(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	260-1010	Gasket Kit	(1)	260-1503	Gasket Kit	(1)	260-1000	Gasket Kit	(1)	260-1616	Gasket Kit
(1)	5037M	Main Bearing Set	(1)	7148M	Main Bearing Set	(1)	994M	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	1401M	Camshaft Bearing Set	(1)	67333AF	Thrust Washer Set	(1)	1145M	Camshaft Bearing Set	(1)	1487M	Auxiliary

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-621D (cont'd.)			MKP-624C (cont'd.)			MKP-625A (cont'd.)			MKP-6253A (cont'd.)		
(1)	1220M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-641	Cam & Lifter Kit	MKP-624E			(1)	260-1028	Gasket Kit	(1)	KC-668	Cam & Lifter Kit
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	5107M	Main Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	224-43364S	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(8)	357P 20	Cast Piston	(1)	260-1014	Gasket Kit	(1)	KC-674	Cam & Lifter Kit	(8)	H654P	Cast Piston
(1)	381-8021	Brass Expansion Plug Kit	(1)	5107M	Main Bearing Set	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
MKP-621E			(1)	1403M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	MKP-6257A		
(1)	E-245K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(8)	416P	Cast Piston	(1)	E-468K	Premium Piston Ring Set
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3860P	Connecting Rod Bearing Set
(1)	260-1025	Gasket Kit	(1)	224-41166	Oil Pump	MKP-625C			(1)	260-1619	Gasket Kit
(1)	4040M	Main Bearing Set	(1)	451P	Cast Piston	(1)	E-251K	Premium Piston Ring Set	(1)	7370M	Main Bearing Set
(1)	1220M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	1496M	Camshaft Bearing Set
(1)	KC-690C	Cam & Lifter Kit	MKP-624G			(1)	260-1028	Gasket Kit	(1)	KC-770	Cam & Lifter Kit
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	5107M	Main Bearing Set	(1)	KT3-181S	Timing Set - 3 Pc.
(1)	224-43364S	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-43424	Oil Pump
(8)	357P 20	Cast Piston	(1)	260-1014	Gasket Kit	(1)	KC-674	Cam & Lifter Kit	(8)	H587P	Cast Piston
(1)	381-8021	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8057	Brass Expansion Plug Kit
MKP-6212A			(1)	1403M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	MKP-6263A		
(1)	E-446K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(8)	416P	Cast Piston	(1)	E-613K	Premium Piston Ring Set
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	260-1556	Gasket Kit	(1)	451P	Cast Piston	MKP-625D			(1)	260-1652	Gasket Kit
(1)	7011MA	Main Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	7245MA	Main Bearing Set
(1)	1843M	Camshaft Bearing Set	MKP-624J			(1)	8-3380A	Connecting Rod Bearing Set	(1)	1844M	Camshaft Bearing Set
(1)	KC-787	Cam & Lifter Kit	(1)	E-251K	Premium Piston Ring Set	(1)	260-1028	Gasket Kit	(1)	KC-1511	Cam & Lifter Kit
(1)	KT3-374S	Timing Set - 3 Pc.	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	5107M	Main Bearing Set	(1)	KT3-64S	Timing Set - 3 Pc.
(6)	H497P	Cast Piston	(1)	260-1014	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	224-43431	Oil Pump
(1)	381-8072	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KC-674	Cam & Lifter Kit	(6)	H570P	Cast Piston
MKP-6215A			(1)	1403M	Camshaft Bearing Set	(1)	KT3-358S	Timing Set - 3 Pc.	MKP-6264A		
(1)	E-458K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(1)	224-41143	Oil Pump	(1)	E-613K	Premium Piston Ring Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(8)	336P	Cast Piston	(1)	6-3055CP	Connecting Rod Bearing Set
(1)	260-1559	Gasket Kit	(1)	224-41166	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1652	Gasket Kit
(1)	4125MA	Main Bearing Set	(1)	451P	Cast Piston	MKP-6250A			(1)	7245MA	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	1844M	Camshaft Bearing Set
(1)	KC-668	Cam & Lifter Kit	MKP-624M			(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-1510	Cam & Lifter Kit
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	260-1169	Gasket Kit	(1)	KT3-64S	Timing Set - 3 Pc.
(1)	224-41118	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	4125MA	Main Bearing Set	(1)	224-43431	Oil Pump
(8)	517CP	Cast Piston	(1)	260-1014	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(6)	H570P	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KC-668	Cam & Lifter Kit	MKP-6269A		
MKP-6217A			(1)	1403M	Camshaft Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-381K	Premium Piston Ring Set
(1)	E-454K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(1)	224-41118	Oil Pump	(4)	2555A	Connecting Rod Bearing Pair
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(8)	H654P	Cast Piston	(1)	260-1506M	Gasket Kit
(1)	260-1616	Gasket Kit	(1)	224-41166	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	4123MA	Main Bearing Set
(1)	6678MA	Main Bearing Set	(1)	427P	Cast Piston	MKP-6251A			(1)	1461M	Camshaft Bearing Set
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	KC-1068M	Cam & Lifter Kit
(1)	KC-785C	Cam, Lifter & Follower Kit	MKP-624N			(1)	8-2600A	Connecting Rod Bearing Set	(1)	221-2528S	Timing Gear Set
(1)	222-153	Timing Belt	(1)	E-251K	Premium Piston Ring Set	(1)	260-1451	Gasket Kit	(1)	224-4147	Oil Pump
(1)	224-4168	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	4125MA	Main Bearing Set	(4)	H896CP	Cast Piston
(4)	527P	Cast Piston	(1)	260-1014	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	381-8050	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KC-668	Cam & Lifter Kit	MKP-6269C		
MKP-622C			(1)	1403M	Camshaft Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-381K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(1)	224-41118	Oil Pump	(4)	2555A	Connecting Rod Bearing Pair
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(8)	H654P	Cast Piston	(1)	260-1505M	Gasket Kit
(1)	260-1033	Gasket Kit	(1)	224-41166	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	4123MA	Main Bearing Set
(1)	4999MA	Main Bearing Set	(1)	427P	Cast Piston	MKP-6251C			(1)	1461M	Camshaft Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	KC-1068M	Cam & Lifter Kit
(1)	KC-665	Cam & Lifter Kit	MKP-624P			(1)	8-2600A	Connecting Rod Bearing Set	(1)	221-2528S	Timing Gear Set
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	260-1451	Gasket Kit	(1)	224-4147	Oil Pump
(1)	224-4166	Oil Pump	(1)	8-3400CP	Connecting Rod Bearing Set	(1)	4125MA	Main Bearing Set	(4)	H896CP	Cast Piston
(8)	405P	Cast Piston	(1)	260-1014	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	5078MA	Main Bearing Set	(1)	KC-668	Cam & Lifter Kit	MKP-627A		
MKP-624C			(1)	1403M	Camshaft Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	KC-667	Cam & Lifter Kit	(1)	224-41118	Oil Pump	(1)	8-3380A	Connecting Rod Bearing Set
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(8)	H654P	Cast Piston	(1)	260-1126	Gasket Kit
(1)	260-1014	Gasket Kit	(1)	224-41166	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	5107M	Main Bearing Set
(1)	4925M	Main Bearing Set	(1)	427P	Cast Piston	MKP-6253A			(1)	1204M	Camshaft Bearing Set
(1)	1403M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	KC-674	Cam & Lifter Kit
(1)	KC-667	Cam & Lifter Kit	MKP-625A			(1)	8-2600A	Connecting Rod Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	260-1559	Gasket Kit	(1)	224-41143	Oil Pump
(1)	224-41166	Oil Pump	(cont'd. next column)			(1)	4125MA	Main Bearing Set	(8)	416P	Cast Piston
(8)	425NP	Cast Piston	(cont'd. next column)			(cont'd. next column)			(1)	381-8015	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-627C			MKP-630C (cont'd.)			MKP-633A (cont'd.)			MKP-637A		
(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(8)	472NP	Cast Piston	(1)	E-296K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	381-8020	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	MKP-6339B			(1)	260-1013	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	E-471K	Premium Piston Ring Set	(1)	4907M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(8)	423NP	Cast Piston	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1612	Gasket Kit	(1)	KC-648	Cam & Lifter Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	MKP-630D			(1)	260-1612	Gasket Kit	(1)	KT3-491SA	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	7086MA	Main Bearing Set	(1)	224-41139	Oil Pump
(8)	463P	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(1)	1886M	Camshaft Bearing Set	(8)	413AP	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit	(1)	KC-861	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit
MKP-627D			(1)	4663MA	Main Bearing Set	MKP-634A			MKP-637C		
(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1126	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1012	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	4418M	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1204M	Camshaft Bearing Set	(8)	345NP	Cast Piston	(1)	1422M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-647	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit
(1)	KT3-163SA	Timing Set - 3 Pc.	MKP-630F			(1)	KT3-359S	Timing Set - 3 Pc.	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	224-518	Oil Pump Repair Kit	(1)	224-41139	Oil Pump
(8)	463P	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set	(8)	657P 30	Cast Piston	(8)	413AP	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit	(1)	381-8002	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit
MKP-6270A			(1)	4663MA	Main Bearing Set	MKP-634C			MKP-637D		
(1)	E-234K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	E-288K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1508M	Gasket Kit	(1)	KT3-163S	Timing Set - 3 Pc.	(1)	260-1012	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	224-4146	Oil Pump	(1)	4418M	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1203M	Camshaft Bearing Set	(8)	423NP	Cast Piston	(1)	1422M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-1092M	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-676	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit
(1)	221-2528S	Timing Gear Set	MKP-632E			(1)	KT3-359S	Timing Set - 3 Pc.	(1)	KT3-491SA	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	E-424K	Premium Piston Ring Set	(1)	224-518	Oil Pump Repair Kit	(1)	224-41139	Oil Pump
(6)	403P	Cast Piston	(1)	8-2320CP	Connecting Rod Bearing Set	(8)	657P 30	Cast Piston	(8)	H418P	Cast Piston
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1001	Gasket Kit	(1)	381-8002	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit
MKP-6270C			(1)	5025MA	Main Bearing Set	MKP-6361			MKP-637E		
(1)	E-234K	Premium Piston Ring Set	(1)	1453M	Camshaft Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	KC-327	Cam & Lifter Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1508M	Gasket Kit	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	260-1427	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	224-4174	Oil Pump	(1)	6678MA	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1557M	Camshaft Bearing Set	(8)	424P	Cast Piston	(1)	1840M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-1092M	Cam & Lifter Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KC-648	Cam & Lifter Kit
(1)	221-2528S	Timing Gear Set	MKP-632G			(1)	222-153	Timing Belt	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	E-424K	Premium Piston Ring Set	(1)	224-4168	Oil Pump	(1)	224-41139	Oil Pump
(6)	403P	Cast Piston	(1)	8-2320CP	Connecting Rod Bearing Set	(4)	527P	Cast Piston	(8)	H418P	Cast Piston
(1)	381-8006	Brass Expansion Plug Kit	(1)	260-1001	Gasket Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit
MKP-6271A			(1)	4924MA	Main Bearing Set	MKP-6367			MKP-637F		
(1)	E-245K	Premium Piston Ring Set	(1)	1453M	Camshaft Bearing Set	(1)	E-465K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	KC-327	Cam & Lifter Kit	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1510M	Gasket Kit	(1)	KT3-501S	Timing Set - 3 Pc.	(1)	260-1437	Gasket Kit	(1)	260-1013	Gasket Kit
(1)	994M	Main Bearing Set	(1)	224-4174	Oil Pump	(1)	5130M	Main Bearing Set	(1)	4907M	Main Bearing Set
(1)	1145M	Camshaft Bearing Set	(8)	424P	Cast Piston	(1)	1494M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set
(1)	KC-274	Cam & Lifter Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	KC-788	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit
(1)	KT3-163S	Timing Set - 3 Pc.	MKP-6329A			(1)	KT3-505S	Timing Set - 3 Pc.	(1)	KT3-491S	Timing Set - 3 Pc.
(1)	224-4146	Oil Pump	(1)	E-528KC	Premium Piston Ring Set	(1)	224-41100	Oil Pump	(1)	224-41144	Oil Pump
(8)	235NP	Cast Piston	(1)	6-1735CP	Connecting Rod Bearing Set	(4)	489P	Cast Piston	(8)	H418P	Cast Piston
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1432	Gasket Kit	(1)	381-8063	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit
MKP-630A			(1)	7090M	Main Bearing Set	MKP-6369			MKP-6373A		
(1)	E-251K	Premium Piston Ring Set	(1)	1736AF	Thrust Washer Set	(1)	E-536K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-864	Cam & Lifter Kit	(1)	6-1460A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1000	Gasket Kit	(1)	KC-865	Cam & Lifter Kit	(1)	260-1429	Gasket Kit	(1)	260-1563	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	222-139	Timing Belt	(1)	7050MA	Main Bearing Set	(1)	6689MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	224-42000	Oil Pump	(1)	1790M	Camshaft Bearing Set	(1)	1461M	Camshaft Bearing Set
(1)	KC-274	Cam & Lifter Kit	(6)	H834CP	Cast Piston	(1)	KC-1501	Cam & Lifter Kit	(1)	KC-1507	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	MKP-633A			(1)	KT3-380S	Timing Set - 3 Pc.	(1)	221-2542LS	Timing Gear Set
(1)	224-4146	Oil Pump	(1)	E-288K	Premium Piston Ring Set	(1)	224-4166	Oil Pump	(4)	H547CP	Cast Piston
(8)	310NP	Cast Piston	(1)	8-3045A	Connecting Rod Bearing Set	(1)	656P	Cast Piston	(1)	381-8074	Brass Expansion Plug Kit
MKP-630C			(1)	260-1124	Gasket Kit	MKP-6374A			MKP-6374A		
(1)	E-251K	Premium Piston Ring Set	(1)	4281M	Main Bearing Set	(1)	E-384K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	1466M	Camshaft Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1000	Gasket Kit	(1)	KC-707	Cam & Lifter Kit	(1)	260-1463	Gasket Kit	(1)	260-1463	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	6690MA	Main Bearing Set	(1)	6690MA	Main Bearing Set
		(cont'd. next column)			(cont'd. next column)						(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-6374A (cont'd.)			MKP-6405A			MKP-653A (cont'd.)			MKP-653L (cont'd.)		
(1)	1756M	Camshaft Bearing Set	(1)	E-532K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	224-41118	Oil Pump
(1)	KC-1518	Cam & Lifter Kit	(1)	6-3760A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(8)	273AP	Cast Piston
(1)	KT3-378S	Timing Set - 3 Pc.	(1)	260-1566	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit
(4)	H547CP	Cast Piston	(1)	7144MA	Main Bearing Set	(1)	KT3-356S	Timing Set - 3 Pc.	MKP-658A		
(1)	381-8074	Brass Expansion Plug Kit	(1)	1755M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set
MKP-6377			(1)	KC-1506	Cam & Lifter Kit	(8)	272AP	Cast Piston	(1)	8-2555A	Connecting Rod Bearing Set
(1)	E-178K	Premium Piston Ring Set	(1)	KT3-381S	Timing Set - 3 Pc.	MKP-653D			(1)	260-1045	Gasket Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	224-51379	Oil Pump Repair Kit	(1)	E-251K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	260-1430	Gasket Kit	(6)	H558P	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	5095MA	Main Bearing Set	MKP-642A			(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit
(1)	1484M	Camshaft Bearing Set	(1)	E-318K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	KC-1565	Cam & Lifter Kit	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1001	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(8)	423NP	Cast Piston
(1)	224-4166	Oil Pump	(1)	4094M	Main Bearing Set	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit
(8)	526P	Cast Piston	(1)	1453M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	MKP-658C		
(1)	381-8010	Brass Expansion Plug Kit	(1)	KC-327	Cam & Lifter Kit	(8)	272AP	Cast Piston	(1)	E-251K	Premium Piston Ring Set
MKP-6379			(1)	KT3-501S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	E-605K	Premium Piston Ring Set	(1)	224-4174	Oil Pump	MKP-653F			(1)	260-1045	Gasket Kit
(1)	6-4020A	Connecting Rod Bearing Set	(8)	406AP	Cast Piston	(1)	E-251K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	260-1466	Gasket Kit	(1)	381-8011	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	7242MA	Main Bearing Set	MKP-646A			(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit
(1)	1492M	Camshaft Bearing Set	(1)	E-352K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	KC-715	Cam & Lifter Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	KT3-372S	Timing Set - 3 Pc.	(1)	260-1018	Gasket Kit	(1)	KC-560	Cam & Lifter Kit	(8)	423NP	Cast Piston
(1)	224-4148	Oil Pump	(1)	4979M	Main Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit
(6)	H562CP	Cast Piston	(1)	1443M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	MKP-660A		
(1)	381-8085	Brass Expansion Plug Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(8)	272AP	Cast Piston	(1)	E-233K	Premium Piston Ring Set
MKP-638A			(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	8-3190A	Connecting Rod Bearing Set
(1)	E-297K	Premium Piston Ring Set	(1)	222-14	Timing Belt	MKP-653G			(1)	260-1046	Gasket Kit
(1)	8-3045A	Connecting Rod Bearing Set	(1)	224-41160	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	4400MA	Main Bearing Set
(1)	260-1022	Gasket Kit	(4)	H435P	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	4281M	Main Bearing Set	(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1125	Gasket Kit	(1)	KC-774	Cam & Lifter Kit
(1)	1466M	Camshaft Bearing Set	MKP-647A			(1)	4125MA	Main Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.
(1)	KC-707	Cam & Lifter Kit	(1)	E-356K	Premium Piston Ring Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4154	Oil Pump
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	KC-668	Cam & Lifter Kit	(8)	H661CP	Cast Piston
(1)	224-41203	Oil Pump	(1)	260-1023	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8009	Brass Expansion Plug Kit
(8)	332AP	Cast Piston	(1)	4663MA	Main Bearing Set	MKP-653H			MKP-661A		
(1)	381-8020	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set
MKP-6380			(1)	KC-673	Cam & Lifter Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set
(1)	E-459K	Premium Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1125	Gasket Kit	(1)	260-1009	Gasket Kit
(1)	6-1020A	Connecting Rod Bearing Set	(1)	224-4146	Oil Pump	(1)	4125MA	Main Bearing Set	(1)	4400MA	Main Bearing Set
(1)	260-1241	Gasket Kit	(8)	454NP	Cast Piston	(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	5085MA	Main Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-668	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit
(1)	1463M	Camshaft Bearing Set	MKP-648A			(1)	224-41118	Oil Pump	(1)	KT3-501SA	Timing Set - 3 Pc.
(1)	KC-783	Cam & Lifter Kit	(1)	E-356K	Premium Piston Ring Set	(8)	272AP	Cast Piston	(1)	224-4154	Oil Pump
(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	8-2555A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(8)	402P	Cast Piston
(6)	645P	Cast Piston	(1)	260-1024	Gasket Kit	MKP-653J			(1)	381-8009	Brass Expansion Plug Kit
(1)	381-8058	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	MKP-662A		
MKP-639C			(1)	1235M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set
(1)	E-297K	Premium Piston Ring Set	(1)	KC-711	Cam & Lifter Kit	(1)	260-1125	Gasket Kit	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	8-3045A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4125MA	Main Bearing Set	(1)	260-1000	Gasket Kit
(1)	260-1008	Gasket Kit	(1)	224-4146	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	994M	Main Bearing Set
(1)	4281M	Main Bearing Set	(8)	454NP	Cast Piston	(1)	KC-668	Cam & Lifter Kit	(1)	1145M	Camshaft Bearing Set
(1)	1234M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KC-274	Cam & Lifter Kit
(1)	KC-707	Cam & Lifter Kit	MKP-648D			(1)	224-41118	Oil Pump	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	E-356K	Premium Piston Ring Set	(8)	273AP	Cast Piston	(1)	224-4146	Oil Pump
(1)	224-41203	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(8)	310NP	Cast Piston
(8)	332AP	Cast Piston	(1)	260-1024	Gasket Kit	MKP-653J			MKP-662C		
(1)	381-8020	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
MKP-639C			(1)	1235M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	E-297K	Premium Piston Ring Set	(1)	KC-711	Cam & Lifter Kit	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	8-3045A	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	4125MA	Main Bearing Set	(1)	994M	Main Bearing Set
(1)	260-1008	Gasket Kit	(1)	224-4146	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	1145M	Camshaft Bearing Set
(1)	4281M	Main Bearing Set	(8)	454NP	Cast Piston	(1)	KC-668	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	1234M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	KC-707	Cam & Lifter Kit	MKP-648D			(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump
(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	E-356K	Premium Piston Ring Set	(8)	273AP	Cast Piston	(8)	310NP	Cast Piston
(1)	224-41203	Oil Pump	(1)	8-2555A	Connecting Rod Bearing Set	MKP-653J			MKP-662C		
(8)	332AP	Cast Piston	(1)	260-1024	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	381-8020	Brass Expansion Plug Kit	(1)	4663MA	Main Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
MKP-640E			(1)	1235M	Camshaft Bearing Set	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	E-299K	Premium Piston Ring Set	(1)	KC-711	Cam & Lifter Kit	(1)	4125MA	Main Bearing Set	(1)	994M	Main Bearing Set
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	260-1025	Gasket Kit	(1)	224-4146	Oil Pump	(1)	KC-560	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	4040M	Main Bearing Set	(8)	534NP	Cast Piston	(1)	KT3-356S	Timing Set - 3 Pc.	(1)	KT3-489S	Timing Set - 3 Pc.
(1)	1220M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump
(1)	KC-690C	Cam & Lifter Kit	MKP-653A			(8)	273AP	Cast Piston	(8)	310NP	Cast Piston
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	381-8015	Brass Expansion Plug Kit	MKP-662D		
(1)	224-43364S	Oil Pump	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(8)	411NP	Cast Piston	(1)	260-1125	Gasket Kit	(1)	8-2020CP	Connecting Rod Bearing Set	MKP-662D		
(1)	381-8021	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit	(1)	E-251K	Premium Piston Ring Set
MKP-640E			MKP-653A			(1)	994M	Main Bearing Set	MKP-662D		
(1)	E-299K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	MKP-662D		
(1)	260-1025	Gasket Kit	(1)	260-1125	Gasket Kit	(1)	KT3-489S	Timing Set - 3 Pc.	MKP-662D		
(1)	4040M	Main Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	MKP-662D		
(1)	1220M	Camshaft Bearing Set	MKP-653A			(8)	310NP	Cast Piston	MKP-662D		
(1)	KC-690C	Cam & Lifter Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	MKP-662D		
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	MKP-662D		
(1)	224-43364S	Oil Pump	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit	MKP-662D		
(8)	411NP	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	(1)	994M	Main Bearing Set	MKP-662D		
(1)	381-8021	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	MKP-662D		
MKP-640E			(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	MKP-662D		
(1)	E-299K	Premium Piston Ring Set	(1)	260-1125	Gasket Kit	(1)	KT3-489S	Timing Set - 3 Pc.	MKP-662D		
(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	MKP-662D		
(1)	260-1025	Gasket Kit	MKP-653A			(8)	310NP	Cast Piston	MKP-662D		
(1)	4040M	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	MKP-662D		
(1)	1220M	Camshaft Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	MKP-662D		
(1)	KC-690C	Cam & Lifter Kit	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit	MKP-662D		
(1)	KT3-350S	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit	(1)	994M	Main Bearing Set	MKP-662D		
(1)	224-43364S	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	MKP-662D		
(8)	411NP	Cast Piston	(1)	8-2600A	Connecting Rod Bearing Set	(1)	KC-274	Cam & Lifter Kit	MKP-662D		
(1)	381-8021	Brass Expansion Plug Kit	(1)	260-1125	Gasket Kit	(1)	KT3-489S	Timing Set - 3 Pc.	MKP-662D		
MKP-640E			(1								

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-662D (cont'd.)			MKP-667G (cont'd.)			MKP-699D (cont'd.)			MKP-7012 (cont'd.)		
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	224-4174	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1463M	Camshaft Bearing Set
(1)	260-1000	Gasket Kit	(8)	366NP	Cast Piston	(1)	260-1123	Gasket Kit	(1)	KC-783	Cam & Lifter Kit
(1)	994M	Main Bearing Set	MKP-683C			(1)	5090MA	Main Bearing Set	(1)	KT3-499SA6	Timing Set - 3 Pc.
(1)	1235M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	KC-274	Cam & Lifter Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-715	Cam & Lifter Kit	(6)	645P	Cast Piston
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1484M	Camshaft Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8058	Brass Expansion Plug Kit
(1)	224-4146	Oil Pump	(1)	260-1095	Gasket Kit	(1)	224-4148	Oil Pump	MKP-7021		
(8)	310NP	Cast Piston	(1)	4999MA	Main Bearing Set	(6)	464P	Cast Piston	(1)	E-356K	Premium Piston Ring Set
MKP-662E			(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	E-251K	Premium Piston Ring Set	MKP-686A			MKP-699E			(1)	260-1246	Gasket Kit
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	E-232K	Premium Piston Ring Set	(1)	E-411K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set
(1)	260-1000	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	994M	Main Bearing Set	(1)	260-1009	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	KC-711	Cam & Lifter Kit
(1)	1235M	Camshaft Bearing Set	(1)	4400MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	KC-274	Cam & Lifter Kit	(1)	1255M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	224-43469	Oil Pump
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KC-636	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(8)	536NP	Cast Piston
(1)	224-4149	Oil Pump	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit
(8)	310NP	Cast Piston	(1)	224-4154	Oil Pump	(1)	224-4148	Oil Pump	MKP-7028		
MKP-662F			(8)	460P	Cast Piston	(1)	464P	Cast Piston	(1)	E-233K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	8-3190A	Connecting Rod Bearing Set
(1)	8-2020CP	Connecting Rod Bearing Set	MKP-686C			MKP-7000			(1)	260-1418	Gasket Kit
(1)	260-1000	Gasket Kit	(1)	E-232K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set	(1)	4400MA	Main Bearing Set
(1)	994M	Main Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	260-1009	Gasket Kit	(1)	260-1466	Gasket Kit	(1)	KC-774	Cam & Lifter Kit
(1)	KC-274	Cam & Lifter Kit	(1)	4400MA	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	KT3-507S	Timing Set - 3 Pc.
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	1404M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	224-4154G	Oil Pump
(1)	224-4149	Oil Pump	(1)	KC-636	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(8)	H518CP	Cast Piston
(8)	310NP	Cast Piston	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8009	Brass Expansion Plug Kit
MKP-662J			(1)	224-4154	Oil Pump	(1)	224-4148	Oil Pump	MKP-7033		
(1)	E-251K	Premium Piston Ring Set	(1)	460P	Cast Piston	(1)	H562CP	Cast Piston	(1)	E-446K	Premium Piston Ring Set
(1)	8-2020CP	Connecting Rod Bearing Set	(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8085	Brass Expansion Plug Kit	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	260-1000	Gasket Kit	MKP-691C			MKP-7001			(1)	260-1556	Gasket Kit
(1)	994M	Main Bearing Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set	(1)	7011MA	Main Bearing Set
(1)	1235M	Camshaft Bearing Set	(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1843M	Camshaft Bearing Set
(1)	KC-274	Cam & Lifter Kit	(1)	260-1032	Gasket Kit	(1)	260-1466	Gasket Kit	(1)	KC-787	Cam & Lifter Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	7144MA	Main Bearing Set	(1)	7242MA	Main Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.
(1)	224-4146	Oil Pump	(1)	1462M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	224-43636S	Oil Pump
(8)	H951P 30	Cast Piston	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(6)	H497P	Cast Piston
(1)	381-8007	Brass Expansion Plug Kit	(1)	224-518	Oil Pump Repair Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	381-8072	Brass Expansion Plug Kit
MKP-667E			(6)	450NP	Cast Piston	(1)	224-4152	Oil Pump	MKP-7044		
(1)	E-233K	Premium Piston Ring Set	(1)	381-8035	Brass Expansion Plug Kit	(1)	H562CP	Cast Piston	(1)	E-458K	Premium Piston Ring Set
(1)	8-2320CP	Connecting Rod Bearing Set	MKP-692A			(1)	381-8085	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	260-1001	Gasket Kit	(1)	E-414K	Premium Piston Ring Set	MKP-7002			(1)	260-1445	Gasket Kit
(1)	4094M	Main Bearing Set	(1)	6-3750P	Connecting Rod Bearing Set	(1)	E-605K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set
(1)	1453M	Camshaft Bearing Set	(1)	260-1101	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KC-327	Cam & Lifter Kit	(1)	5085MA	Main Bearing Set	(1)	260-1233	Gasket Kit	(1)	KC-759	Cam & Lifter Kit
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	1463M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	224-4174	Oil Pump	(1)	KC-712	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(8)	366NP	Cast Piston	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(8)	506P	Cast Piston
(1)	381-8011	Brass Expansion Plug Kit	(1)	224-4146	Oil Pump	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
MKP-667F			(6)	698P 30	Cast Piston	(1)	224-4148	Oil Pump	MKP-7050		
(1)	E-233K	Premium Piston Ring Set	(1)	381-8049	Brass Expansion Plug Kit	(6)	H561CP	Cast Piston	(1)	E-450K	Premium Piston Ring Set
(1)	8-2320CP	Connecting Rod Bearing Set	MKP-695B			(1)	381-8085	Brass Expansion Plug Kit	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	260-1001	Gasket Kit	(1)	E-378K	Premium Piston Ring Set	MKP-7003			(1)	260-1192	Gasket Kit
(1)	4094M	Main Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	E-605K	Premium Piston Ring Set	(1)	6676M	Main Bearing Set
(1)	1453M	Camshaft Bearing Set	(1)	260-1104	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	KC-327A	Cam & Lifter Kit	(1)	4281M	Main Bearing Set	(1)	260-1233	Gasket Kit	(1)	KC-779	Cam & Lifter Kit
(1)	KT3-501S	Timing Set - 3 Pc.	(1)	1466M	Camshaft Bearing Set	(1)	7242MA	Main Bearing Set	(1)	KT3-3SR64S	Timing Set - 3 Pc.
(1)	224-4174	Oil Pump	(1)	KC-707	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	224-41198	Oil Pump
(8)	366NP	Cast Piston	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(4)	525CP	Cast Piston
(1)	381-8011	Brass Expansion Plug Kit	(1)	224-41203	Oil Pump	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	381-8086	Brass Expansion Plug Kit
MKP-667G			(8)	466NP	Cast Piston	(1)	224-4152	Oil Pump	MKP-7053		
(1)	E-233K	Premium Piston Ring Set	(1)	381-8047	Brass Expansion Plug Kit	(6)	H561CP	Cast Piston	(1)	E-234K	Premium Piston Ring Set
(1)	8-2320CP	Connecting Rod Bearing Set	MKP-699D			(1)	381-8085	Brass Expansion Plug Kit	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	260-1001	Gasket Kit	(1)	E-411K	Premium Piston Ring Set	MKP-7012			(1)	260-1424	Gasket Kit
(1)	4094M	Main Bearing Set	(cont'd. next column)			(1)	E-229K	Premium Piston Ring Set	(1)	4289M	Main Bearing Set
(1)	1453M	Camshaft Bearing Set	(cont'd. next column)			(1)	6-1020A	Connecting Rod Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	KC-327A	Cam & Lifter Kit	(cont'd. next column)			(1)	260-1240	Gasket Kit	(1)	KC-809	Cam & Lifter Kit
(1)	KT3-495S	Timing Set - 3 Pc.	(cont'd. next column)			(1)	5085MA	Main Bearing Set	(1)	KT3-4SR48	Timing Set - 3 Pc.
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-7053 (cont'd.)			MKP-713A (cont'd.)			MKP-718D			MKP-728C (cont'd.)		
(6)	677CP	Cast Piston	(8)	L-2316F 20	Power Forged Piston	(1)	E-178K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set
(1)	381-8084	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-715	Cam & Lifter Kit
MKP-7057			MKP-715A			MKP-718H			MKP-728H		
(1)	E-454K	Premium Piston Ring Set	(1)	E-301K	Premium Piston Ring Set	(1)	260-1152	Gasket Kit	(1)	260-1144	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	5095MA	Main Bearing Set	(1)	7242MA	Main Bearing Set
(1)	260-1427	Gasket Kit	(1)	260-1151	Gasket Kit	(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
(1)	6678MA	Main Bearing Set	(1)	5037M	Main Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit
(1)	1840M	Camshaft Bearing Set	(1)	1401M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-646	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	224-4148	Oil Pump
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-369S	Timing Set - 3 Pc.	(8)	285NP	Cast Piston	(6)	516P	Cast Piston
(1)	222-153	Timing Belt	(1)	224-5128S	Oil Pump Repair Kit	(1)	381-8010	Brass Expansion Plug Kit	MKP-728L		
(1)	224-4168	Oil Pump	(8)	362NP	Cast Piston	MKP-718J			(1)	E-432K	Premium Piston Ring Set
(4)	527P	Cast Piston	(1)	381-8001	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	381-8050	Brass Expansion Plug Kit	MKP-716A			(1)	260-1152	Gasket Kit	(1)	260-1144	Gasket Kit
MKP-7058			(1)	E-222K	Premium Piston Ring Set	(1)	5095MA	Main Bearing Set	(1)	7242MA	Main Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1134	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit
(1)	260-1616	Gasket Kit	(1)	4289M	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.
(1)	6678MA	Main Bearing Set	(1)	1244M	Camshaft Bearing Set	(8)	526P	Cast Piston	(1)	224-4148	Oil Pump
(1)	1840M	Camshaft Bearing Set	(1)	KC-713	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(6)	516P	Cast Piston
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KT3-494S	Timing Set - 3 Pc.	MKP-718K			(1)	381-8046	Brass Expansion Plug Kit
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	224-41198	Oil Pump	(1)	E-178K	Premium Piston Ring Set	MKP-728M		
(1)	222-153	Timing Belt	(6)	470NP	Cast Piston	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set
(1)	224-4168	Oil Pump	(1)	381-8000	Brass Expansion Plug Kit	(1)	260-1152	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(4)	527P	Cast Piston	MKP-717A			(1)	5095MA	Main Bearing Set	(1)	260-1144	Gasket Kit
(1)	381-8050	Brass Expansion Plug Kit	(1)	E-178K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	5090MA	Main Bearing Set
MKP-7059			(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-1556	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	260-1153	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4923MA	Main Bearing Set	(8)	526P	Cast Piston	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	260-1616	Gasket Kit	(1)	1484M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump
(1)	6678MA	Main Bearing Set	(1)	KC-645	Cam & Lifter Kit	MKP-718L			(6)	516P	Cast Piston
(1)	1840M	Camshaft Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	E-178K	Premium Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-4166	Oil Pump	(1)	8-2130CP	Connecting Rod Bearing Set	MKP-739A		
(1)	KC-785C	Cam, Lifter & Follower Kit	(8)	285NP	Cast Piston	(1)	260-1152	Gasket Kit	(1)	E-234K	Premium Piston Ring Set
(1)	222-153	Timing Belt	(1)	381-8010	Brass Expansion Plug Kit	(1)	5095MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	224-4168	Oil Pump	MKP-717C			(1)	1484M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit
(4)	571CP	Cast Piston	(1)	E-178K	Premium Piston Ring Set	(1)	KC-1556	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set
(1)	381-8050	Brass Expansion Plug Kit	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set
MKP-7060			(1)	260-1153	Gasket Kit	(1)	224-4166	Oil Pump	(1)	KC-633	Cam & Lifter Kit
(1)	E-454K	Premium Piston Ring Set	(1)	5024MA	Main Bearing Set	(8)	285NP	Cast Piston	(1)	221-2528S	Timing Gear Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	224-4147	Oil Pump
(1)	260-1427	Gasket Kit	(1)	KC-645	Cam & Lifter Kit	MKP-718A			(6)	403P	Cast Piston
(1)	6678MA	Main Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	E-178K	Premium Piston Ring Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	1840M	Camshaft Bearing Set	(1)	224-4166	Oil Pump	(1)	8-2130CP	Connecting Rod Bearing Set	MKP-739C		
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1152	Gasket Kit	(1)	E-234K	Premium Piston Ring Set
(1)	KC-785C	Cam, Lifter & Follower Kit	MKP-718A			(1)	5095MA	Main Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	222-153	Timing Belt	(1)	E-178K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit
(1)	224-4168	Oil Pump	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	4124MA	Main Bearing Set
(4)	571CP	Cast Piston	(1)	260-1152	Gasket Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set
(1)	381-8050	Brass Expansion Plug Kit	(1)	5024MA	Main Bearing Set	(8)	285NP	Cast Piston	(1)	KC-677	Cam & Lifter Kit
MKP-7062			(1)	1484M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set
(1)	E-178K	Premium Piston Ring Set	(1)	KC-645	Cam & Lifter Kit	MKP-718C			(1)	224-4147	Oil Pump
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	E-178K	Premium Piston Ring Set	(1)	403P	Cast Piston
(1)	260-1430	Gasket Kit	(1)	224-4166	Oil Pump	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	5095MA	Main Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1152	Gasket Kit	MKP-739D		
(1)	1484M	Camshaft Bearing Set	MKP-713A			(1)	5024MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set
(1)	KC-1565	Cam & Lifter Kit	(1)	E-286K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	KT3-380S	Timing Set - 3 Pc.	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	260-1129	Gasket Kit
(1)	224-4166	Oil Pump	(1)	260-1121	Gasket Kit	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	4124MA	Main Bearing Set
(8)	526P	Cast Piston	(1)	4923MA	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	1557M	Camshaft Bearing Set
MKP-7062			(1)	1484M	Camshaft Bearing Set	(1)	285NP	Cast Piston	(1)	KC-633	Cam & Lifter Kit
(1)	E-178K	Premium Piston Ring Set	(1)	KC-644	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	221-2540S	Timing Gear Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	MKP-727K			(1)	224-4147	Oil Pump
(1)	260-1430	Gasket Kit	(1)	224-4166	Oil Pump	(1)	E-432K	Premium Piston Ring Set	(1)	403P	Cast Piston
(1)	5095MA	Main Bearing Set	(1)	224-4166	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	381-8006	Brass Expansion Plug Kit
(1)	1484M	Camshaft Bearing Set	(1)	285NP	Cast Piston	(1)	260-1143	Gasket Kit	MKP-739D		
(1)	KC-1565	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	7242MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set
(1)	KT3-380S	Timing Set - 3 Pc.	MKP-713A			(1)	1492M	Camshaft Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	E-286K	Premium Piston Ring Set	(1)	KC-715	Cam & Lifter Kit	(1)	260-1129	Gasket Kit
(8)	526P	Cast Piston	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	4124MA	Main Bearing Set
MKP-7062			(1)	260-1152	Gasket Kit	(6)	516P	Cast Piston	(1)	1557M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	(1)	5095MA	Main Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(1)	KC-633	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	1484M	Camshaft Bearing Set	MKP-728C			(1)	221-2540S	Timing Gear Set
(1)	260-1430	Gasket Kit	(1)	KC-645	Cam & Lifter Kit	(1)	E-432K	Premium Piston Ring Set	(1)	224-4147	Oil Pump
(1)	5095MA	Main Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	6-4020A	Connecting Rod Bearing Set	(6)	403P	Cast Piston
(1)	1484M	Camshaft Bearing Set	(1)	224-4166	Oil Pump	(1)	260-1144	Gasket Kit	MKP-739D		
(1)	KC-1565	Cam & Lifter Kit	(1)	285NP	Cast Piston	(1)	7242MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set
(1)	KT3-380S	Timing Set - 3 Pc.	(1)	381-8010	Brass Expansion Plug Kit	MKP-728C			(1)	6-2020CP	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	MKP-713A			(1)	E-432K	Premium Piston Ring Set	(1)	260-1129	Gasket Kit
(8)	526P	Cast Piston	(1)	E-286K	Premium Piston Ring Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set
MKP-7062			(1)	8-2130CP	Connecting Rod Bearing Set	(1)	260-1144	Gasket Kit	(1)	1557M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	(1)	260-1121	Gasket Kit	(1)	7242MA	Main Bearing Set	(1)	KC-633	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	4923MA	Main Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	221-2540S	Timing Gear Set
(1)	260-1430	Gasket Kit	(1)	1484M	Camshaft Bearing Set	(1)	KC-715	Cam & Lifter Kit	(1)	224-4147	Oil Pump
(1)	5095MA	Main Bearing Set	(1)	KC-644	Cam & Lifter Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	403P	Cast Piston
(1)	1484M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	MKP-728C			MKP-739D		
(1)	KC-1565	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	E-432K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set
(1)	KT3-380S	Timing Set - 3 Pc.	(1)	285NP	Cast Piston	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1144	Gasket Kit	(1)	260-1129	Gasket Kit
(8)	526P	Cast Piston	MKP-713A			(1)	7242MA	Main Bearing Set	(1)	4124MA	Main Bearing Set
MKP-7062			(1)	E-286K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	E-178K	Premium Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	KC-715	Cam & Lifter Kit	(1)	KC-633	Cam & Lifter Kit
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	260-1121	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	221-2540S	Timing Gear Set
(1)	260-1430	Gasket Kit	(1)	4923MA	Main Bearing Set	(1)	224-4148	Oil Pump	(1)	224-4147	Oil Pump
(1)	5095MA	Main Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	381-8046	Brass Expansion Plug Kit	(6)	403P	Cast Piston
(1)	1484M	Camshaft Bearing Set	(1)	KC-644	Cam & Lifter Kit	MKP-728C			MKP-739D		
(1)	KC-1565	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	E-432K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set
(1)	KT3-380S	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	6-4020A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	224-4166	Oil Pump	(1)	285NP	Cast Piston	(1)	260-1144	Gasket Kit	(1)	260-1129	Gasket Kit
(8)	526P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit						

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-739D (cont'd.)			MKP-757A			MKP-763A (cont'd.)			MKP-854A (cont'd.)		
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-415K	Premium Piston Ring Set	(1)	4979M	Main Bearing Set	(1)	KT-1020S	Timing Set - Complete
MKP-743A			(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	1443M	Camshaft Bearing Set	(1)	224-41902	Oil Pump
(1)	E-178K	Premium Piston Ring Set	(1)	260-1166	Gasket Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(4)	12326P	Cast Piston
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	381-8042	Brass Expansion Plug Kit
(1)	260-1121	Gasket Kit	(1)	1493M	Camshaft Bearing Set	(1)	222-14	Timing Belt	MKP-858A		
(1)	5024MA	Main Bearing Set	(1)	KC-733	Cam & Lifter Kit	(1)	224-41160	Oil Pump	(1)	E-450K	Premium Piston Ring Set
(1)	1484M	Camshaft Bearing Set	(1)	KT3-365SA	Timing Set - 3 Pc.	(4)	H435P	Cast Piston	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	KC-645	Cam & Lifter Kit	(1)	224-51162	Oil Pump Repair Kit	MKP-765C			(1)	260-1191	Gasket Kit
(1)	KT3-361S	Timing Set - 3 Pc.	(6)	481P	Cast Piston	(1)	E-229K	Premium Piston Ring Set	(1)	6676M	Main Bearing Set
(1)	224-4166	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	1244M	Camshaft Bearing Set
(8)	285NP	Cast Piston	MKP-758A			(1)	1781M	Camshaft Bearing Set	(1)	KC-779	Cam & Lifter Kit
(1)	381-8010	Brass Expansion Plug Kit	(1)	E-415K	Premium Piston Ring Set	(1)	KC-1230	Cam & Lifter Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.
MKP-744C			(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	221-2764S	Timing Gear Set	(1)	224-41198	Oil Pump
(1)	E-178K	Premium Piston Ring Set	(1)	260-1167	Gasket Kit	(6)	H519P	Cast Piston	(4)	525P	Cast Piston
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set	MKP-768A			MKP-859A		
(1)	260-1154	Gasket Kit	(1)	1493M	Camshaft Bearing Set	(1)	E-296K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	5024MA	Main Bearing Set	(1)	KC-748	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	1484M	Camshaft Bearing Set	(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	260-1177	Gasket Kit	(1)	260-1192	Gasket Kit
(1)	KC-645	Cam & Lifter Kit	(1)	224-51162	Oil Pump Repair Kit	(1)	4907M	Main Bearing Set	(1)	6676M	Main Bearing Set
(1)	KT3-361S	Timing Set - 3 Pc.	(6)	490P .50MM	Cast Piston	(1)	1414M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	224-4166	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit	(1)	KC-648	Cam & Lifter Kit	(1)	KC-779	Cam & Lifter Kit
(8)	285NP	Cast Piston	MKP-760A			(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-3SR64S	Timing Set - 3 Pc.
(1)	381-8010	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(8)	H418P	Cast Piston	(1)	224-41198	Oil Pump
MKP-746C			(1)	8-2600A	Connecting Rod Bearing Set	(1)	381-8018	Brass Expansion Plug Kit	(4)	525P	Cast Piston
(1)	E-425KC 1.00MM	Premium Piston Ring Set	(1)	260-1169	Gasket Kit	MKP-774A			MKP-860A		
(1)	4-66675P	Connecting Rod Bearing Set	(1)	4125MA	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set
(1)	260-1156	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	6618M	Main Bearing Set	(1)	KC-668	Cam & Lifter Kit	(1)	260-1189	Gasket Kit	(1)	260-1193	Gasket Kit
(1)	CS-769	Camshaft	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	5107M	Main Bearing Set	(1)	4289M	Main Bearing Set
(1)	KT-1014S	Timing Set	(1)	224-41118	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	KT-1013S	Timing Set - Complete	(8)	273AP	Cast Piston	(1)	KC-674	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit
(1)	224-41914	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-494S	Timing Set - 3 Pc.
(4)	H589P .50MM	Cast Piston	MKP-761A			(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump
(1)	381-8051	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	463P	Cast Piston	(6)	470NP	Cast Piston
MKP-747C			(1)	8-3380A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit
(1)	E-439KC	Premium Piston Ring Set	(1)	260-1170	Gasket Kit	MKP-774C			MKP-860C		
(1)	4-66675P	Connecting Rod Bearing Set	(1)	5078MA	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set
(1)	260-1156	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	6618M	Main Bearing Set	(1)	KC-674	Cam & Lifter Kit	(1)	260-1189	Gasket Kit	(1)	260-1193	Gasket Kit
(1)	CS-769	Camshaft	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	5078MA	Main Bearing Set	(1)	4289M	Main Bearing Set
(1)	KT-1014S	Timing Set	(1)	224-41143	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	KT-1013S	Timing Set - Complete	(1)	463P	Cast Piston	(1)	KC-674	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit
(1)	224-41914	Oil Pump	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-504S	Timing Set - 3 Pc.
(4)	12220P .75MM	Cast Piston	MKP-761C			(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump
(1)	381-8051	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	463P	Cast Piston	(6)	470NP	Cast Piston
MKP-752A			(1)	8-3380A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit
(1)	E-352K	Premium Piston Ring Set	(1)	260-1170	Gasket Kit	MKP-774C			MKP-868C		
(1)	4-3545A	Connecting Rod Bearing Set	(1)	5078MA	Main Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set
(1)	260-1161	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	4979M	Main Bearing Set	(1)	KC-764	Cam & Lifter Kit	(1)	260-1189	Gasket Kit	(1)	260-1276	Gasket Kit
(1)	1443M	Camshaft Bearing Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	5078MA	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	224-41143	Oil Pump	(1)	1204M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	KC-666C	Cam, Lifter & Follower Kit	(8)	463P	Cast Piston	(1)	KC-674	Cam & Lifter Kit	(1)	KC-775C	Cam, Lifter & Follower Kit
(1)	222-14	Timing Belt	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	222-71	Timing Belt
(1)	224-41160	Oil Pump	MKP-761D			(1)	224-41902	Oil Pump	(1)	224-4168	Oil Pump
(4)	H435P	Cast Piston	(1)	E-251K	Premium Piston Ring Set	(1)	463P	Cast Piston	(4)	533P	Cast Piston
(1)	381-8029	Brass Expansion Plug Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8050	Brass Expansion Plug Kit
MKP-753A			(1)	260-1170	Gasket Kit	MKP-830C			MKP-869C		
(1)	E-442KC	Premium Piston Ring Set	(1)	5078MA	Main Bearing Set	(1)	E-416KC	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	260-1162	Gasket Kit	(1)	KC-764	Cam & Lifter Kit	(1)	260-1091	Gasket Kit	(1)	260-1093	Gasket Kit
(1)	4979M	Main Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	7148M	Main Bearing Set	(1)	6678MA	Main Bearing Set
(1)	1443M	Camshaft Bearing Set	(1)	224-41143	Oil Pump	(1)	67332AF	Thrust Washer Set	(1)	1487M	Auxiliary Shaft Bearing Set
(1)	1460M	Auxiliary Shaft Bearing Set	(8)	463P	Cast Piston	(1)	CS-719	Camshaft	(1)	KC-785C	Cam, Lifter & Follower Kit
(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	KT-1019S	Timing Set - Complete	(1)	222-71	Timing Belt
(1)	222-14	Timing Belt	MKP-763A			(4)	12326P	Cast Piston	(1)	224-4168	Oil Pump
(1)	224-41127	Oil Pump	(1)	E-352K	Premium Piston Ring Set	(1)	381-8042	Brass Expansion Plug Kit	(4)	527P	Cast Piston
(4)	H537P	Cast Piston	(1)	4-3545A	Connecting Rod Bearing Set	MKP-854A			(1)	381-8050	Brass Expansion Plug Kit
(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1172	Gasket Kit	(1)	E-416KC	Premium Piston Ring Set	MKP-869C		
(cont'd. next column)			(cont'd. next column)			(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	260-1093	Gasket Kit
						(1)	260-1188	Gasket Kit	(1)	6678MA	Main Bearing Set
						(1)	7148M	Main Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set
						(1)	67332AF	Thrust Washer Set	(1)	KC-785C	Cam, Lifter & Follower Kit
						(1)	CS-719	Camshaft	(1)	222-71	Timing Belt
									(1)	224-4168	Oil Pump
									(4)	527P	Cast Piston
									(1)	381-8050	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
MKP-878A			MKP-883A			PK2-2743B			205-1010		
(1)	E-442KC	Premium Piston Ring Set	(1)	E-465K	Premium Piston Ring Set	(6)	2743PN	Cast Piston	(1)	E-450X	Standard Piston Ring Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set	(6)	E-623KC	Premium Piston Ring Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	260-1206	Gasket Kit	(1)	260-1208	Gasket Kit	(6)	4205CP	Connecting Rod Bearing Pair	(1)	260-1231	Gasket Kit
(1)	4979M	Main Bearing Set	(1)	5130M	Main Bearing Set	(1)	7216M	Main Bearing Set	205-1010M		
(1)	1443M	Camshaft Bearing Set	(1)	1494M	Camshaft Bearing Set	205-1002			(1)	E-450X	Standard Piston Ring Set
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KC-788	Cam & Lifter Kit	(1)	E-458X	Standard Piston Ring Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	KT3-505S	Timing Set - 3 Pc.	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1231	Gasket Kit
(1)	222-14	Timing Belt	(1)	224-41100	Oil Pump	(1)	260-1169	Gasket Kit	(1)	4123MA	Main Bearing Set
(1)	224-41127	Oil Pump	(4)	489P	Cast Piston	205-1002M			205-1015		
(4)	H537P	Cast Piston	MKP-886A			(1)	E-458X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	381-8029	Brass Expansion Plug Kit	(1)	E-415K	Premium Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
MKP-878C			(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1169	Gasket Kit	(1)	260-1236	Gasket Kit
(1)	E-442KC	Premium Piston Ring Set	(1)	260-1211	Gasket Kit	(1)	4125MA	Main Bearing Set	205-1015M		
(1)	4-3545A	Connecting Rod Bearing Set	(1)	7295MA	Main Bearing Set	205-1003			(1)	E-369X	Standard Piston Ring Set
(1)	260-1206	Gasket Kit	(1)	1493M	Camshaft Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	4979M	Main Bearing Set	(1)	KC-748	Cam & Lifter Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	260-1236	Gasket Kit
(1)	1443M	Camshaft Bearing Set	(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	260-1223	Gasket Kit	(1)	7144MA	Main Bearing Set
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	224-51162	Oil Pump Repair Kit	205-1003M			205-1016		
(1)	KC-767C	Cam, Lifter & Follower Kit	(6)	490P .50MM	Cast Piston	(1)	E-296X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set
(1)	222-14	Timing Belt	(1)	381-8053	Brass Expansion Plug Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(6)	3755A	Connecting Rod Bearing Pair
(1)	224-41160V	Oil Pump	MKP-888A			(1)	260-1223	Gasket Kit	(1)	260-1032	Gasket Kit
(1)	H537P	Cast Piston	(1)	E-251K	Premium Piston Ring Set	205-1007			205-1019		
(1)	381-8029	Brass Expansion Plug Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
MKP-879A			(1)	260-1213A	Gasket Kit	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	E-441K	Premium Piston Ring Set	(1)	4125MA	Main Bearing Set	(1)	260-1228	Gasket Kit	(1)	260-1239	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	1204M	Camshaft Bearing Set	205-1007M			205-1019M		
(1)	260-1206	Gasket Kit	(1)	KC-761	Cam & Lifter Kit	(1)	E-384X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(1)	4979M	Main Bearing Set	(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	1443M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	(1)	260-1228	Gasket Kit	(1)	260-1239	Gasket Kit
(1)	1460M	Auxiliary Shaft Bearing Set	(8)	H273CP	Cast Piston	205-1008			205-102		
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	E-384X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set
(1)	222-14	Timing Belt	MKP-891A			(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-2375CP	Connecting Rod Bearing Set
(1)	224-41160V	Oil Pump	(1)	E-476K	Premium Piston Ring Set	(1)	260-1228	Gasket Kit	(1)	260-1004	Gasket Kit
(4)	L-2500F .50MM	Power Forged Piston	(1)	4-3545A	Connecting Rod Bearing Set	(1)	6689MA	Main Bearing Set	205-102M		
(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1214	Gasket Kit	205-1008M			(1)	E-196X	Standard Piston Ring Set
MKP-879C			(1)	4979M	Main Bearing Set	(1)	E-384X	Standard Piston Ring Set	(1)	6-2375CP	Connecting Rod Bearing Set
(1)	E-441K	Premium Piston Ring Set	(1)	1443M	Camshaft Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	260-1004	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	260-1228	Gasket Kit	(1)	5085MA	Main Bearing Set
(1)	260-1206	Gasket Kit	(1)	KC-767C	Cam, Lifter & Follower Kit	205-1009			205-1020		
(1)	4979M	Main Bearing Set	(1)	222-14	Timing Belt	(1)	E-384X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set
(1)	1443M	Camshaft Bearing Set	(1)	224-41160	Oil Pump	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-2375CP	Connecting Rod Bearing Set
(1)	1460M	Auxiliary Shaft Bearing Set	(4)	H491P	Cast Piston	(1)	260-1229	Gasket Kit	(1)	260-1004	Gasket Kit
(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	381-8029	Brass Expansion Plug Kit	205-1009M			(1)	4092M	Main Bearing Set
(1)	222-14	Timing Belt	MKP-898A			(1)	E-384X	Standard Piston Ring Set	205-1020M		
(1)	224-41160V	Oil Pump	(1)	E-481K	Premium Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-459X	Standard Piston Ring Set
(4)	L-2500F .50MM	Power Forged Piston	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	260-1229	Gasket Kit	(1)	6-1020A	Connecting Rod Bearing Set
(1)	381-8029	Brass Expansion Plug Kit	(1)	260-1220	Gasket Kit	(1)	6690MA	Main Bearing Set	(1)	260-1240	Gasket Kit
MKP-880A			(1)	6101MA	Main Bearing Set	205-10109M			205-1021		
(1)	E-441K	Premium Piston Ring Set	(1)	1838M	Camshaft Bearing Set	(1)	E-450X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	KC-814	Cam & Lifter Kit	(1)	4-2020CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1162	Gasket Kit	(1)	KT3-60S	Timing Set - 3 Pc.	(1)	260-1230	Gasket Kit	(1)	260-1241	Gasket Kit
(1)	4979M	Main Bearing Set	(1)	224-43431	Oil Pump	205-101M			205-1021M		
(1)	1443M	Camshaft Bearing Set	(6)	520P	Cast Piston	(1)	E-180X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	381-8064	Brass Expansion Plug Kit	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	KC-767C	Cam, Lifter & Follower Kit	MKP-898C			(1)	260-1035	Gasket Kit	(1)	260-1241	Gasket Kit
(1)	222-14	Timing Belt	(1)	E-481K	Premium Piston Ring Set	205-101M			205-1021M		
(1)	224-41160V	Oil Pump	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	E-180X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(4)	L-2500F .50MM	Power Forged Piston	(1)	260-1220	Gasket Kit	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	381-8029	Brass Expansion Plug Kit	(1)	7245MA	Main Bearing Set	(1)	260-1035	Gasket Kit	(1)	5085MA	Main Bearing Set
MKP-882A			(1)	1838M	Camshaft Bearing Set	205-101M			205-1021M		
(1)	E-465K	Premium Piston Ring Set	(1)	KC-814	Cam & Lifter Kit	(1)	E-180X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(1)	4-2380CP	Connecting Rod Bearing Set	(1)	KT3-60S	Timing Set - 3 Pc.	(1)	8-3230CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1208	Gasket Kit	(1)	224-43431	Oil Pump	(1)	260-1035	Gasket Kit	(1)	260-1241	Gasket Kit
(1)	5130M	Main Bearing Set	(6)	520P	Cast Piston	205-101M			205-1021M		
(1)	1494M	Camshaft Bearing Set	(1)	381-8064	Brass Expansion Plug Kit	(1)	E-180X	Standard Piston Ring Set	(1)	E-459X	Standard Piston Ring Set
(1)	KC-788	Cam & Lifter Kit	PK1-2743B			(1)	8-3230CP	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	KT3-505S	Timing Set - 3 Pc.	(6)	2743PN	Cast Piston	(1)	260-1035	Gasket Kit	(1)	260-1241	Gasket Kit
(1)	224-41100	Oil Pump	(6)	E-623KC	Premium Piston Ring Set	(1)	4261M	Main Bearing Set	(1)	5085MA	Main Bearing Set
(4)	489P	Cast Piston									

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-1024			205-104			205-1086M (cont'd.)			205-1098		
(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-536X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1418	Gasket Kit	(1)	6-1460A	Connecting Rod Bearing Set
(1)	260-1243	Gasket Kit	(1)	260-1038	Gasket Kit	(1)	4400MA	Main Bearing Set	(1)	260-1428	Gasket Kit
205-1026			205-104M			205-1087			205-1098M		
(1)	E-356X	Standard Piston Ring Set	(1)	E-196X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	E-536X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set
(1)	260-1246	Gasket Kit	(1)	260-1038	Gasket Kit	(1)	260-1420	Gasket Kit	(1)	260-1428	Gasket Kit
205-1026M			(1)	5070M	Main Bearing Set	205-1087M			(1)	7050MA	Main Bearing Set
(1)	E-356X	Standard Piston Ring Set	205-1049			(1)	E-229X	Standard Piston Ring Set	205-1099		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-473X	Standard Piston Ring Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	E-536X	Standard Piston Ring Set
(1)	260-1246	Gasket Kit	(1)	4-66780CP	Connecting Rod Bearing Set	(1)	260-1420	Gasket Kit	(1)	6-1460A	Connecting Rod Bearing Set
(1)	4663MA	Main Bearing Set	(1)	260-1279	Gasket Kit	(1)	4916M	Main Bearing Set	(1)	260-1429	Gasket Kit
205-1027			205-105			205-109			205-1099M		
(1)	E-356X	Standard Piston Ring Set	(1)	E-197X	Standard Piston Ring Set	(1)	E-219X	Standard Piston Ring Set	(1)	E-536X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set
(1)	260-1247	Gasket Kit	(1)	260-1002	Gasket Kit	(1)	260-1003	Gasket Kit	(1)	260-1429	Gasket Kit
205-1027M			205-1057			205-109M			(1)	7050MA	Main Bearing Set
(1)	E-356X	Standard Piston Ring Set	(1)	E-489X	Standard Piston Ring Set	(1)	E-219X	Standard Piston Ring Set	205-110		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-3925P	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	E-222X	Standard Piston Ring Set
(1)	260-1247	Gasket Kit	(1)	260-1286	Gasket Kit	(1)	260-1003	Gasket Kit	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	4663MA	Main Bearing Set	205-1058			(1)	4916M	Main Bearing Set	(1)	260-1007	Gasket Kit
205-103			(1)	E-489X	Standard Piston Ring Set	205-1092			205-110M		
(1)	E-196X	Standard Piston Ring Set	(1)	4-1025PA	Connecting Rod Bearing Set	(1)	E-234X	Standard Piston Ring Set	(1)	E-222X	Standard Piston Ring Set
(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1286	Gasket Kit	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	260-1004	Gasket Kit	205-1066			(1)	260-1424	Gasket Kit	(1)	260-1007	Gasket Kit
205-103M			(1)	E-393X	Standard Piston Ring Set	205-1092M			(1)	4289M	Main Bearing Set
(1)	E-196X	Standard Piston Ring Set	(1)	6-67035P	Connecting Rod Bearing Set	(1)	E-234X	Standard Piston Ring Set	205-1100		
(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1294	Gasket Kit	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-178X	Standard Piston Ring Set
(1)	260-1004	Gasket Kit	205-108A			(1)	260-1424	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	5070M	Main Bearing Set	(1)	E-219X	Standard Piston Ring Set	(1)	4289M	Main Bearing Set	(1)	260-1430	Gasket Kit
205-1036			(1)	6-2380CP	Connecting Rod Bearing Set	205-1093			205-1100M		
(1)	E-217X	Standard Piston Ring Set	(1)	260-1002	Gasket Kit	(1)	E-454X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
(1)	6-2555A	Connecting Rod Bearing Set	(1)	260-1002	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	260-1267	Gasket Kit	205-108AM			(1)	260-1425	Gasket Kit	(1)	260-1430	Gasket Kit
(1)	4124MA	Main Bearing Set	(1)	E-219X	Standard Piston Ring Set	205-1093M			(1)	5095MA	Main Bearing Set
205-1037			(1)	6-2380CP	Connecting Rod Bearing Set	(1)	E-454X	Standard Piston Ring Set	205-1102		
(1)	E-251X	Standard Piston Ring Set	(1)	260-1002	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	E-528X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	5071M	Main Bearing Set	(1)	260-1425	Gasket Kit	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	260-1268	Gasket Kit	205-108M			(1)	6678MA	Main Bearing Set	(1)	260-1432	Gasket Kit
205-1037M			(1)	E-219X	Standard Piston Ring Set	205-1095			205-1102M		
(1)	E-251X	Standard Piston Ring Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	E-516X	Standard Piston Ring Set	(1)	E-528X	Standard Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1002	Gasket Kit	(1)	4-3955RA	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set
(1)	260-1268	Gasket Kit	(1)	4290M	Main Bearing Set	(1)	260-1194	Gasket Kit	(1)	260-1432	Gasket Kit
(1)	4663MA	Main Bearing Set	205-1083			205-1095M			(1)	7090M	Main Bearing Set
205-1038			(1)	E-369X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set	(1)	1736AF	Thrust Washer Set
(1)	E-251X	Standard Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	4-3955RA	Connecting Rod Bearing Set	205-1103		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1032	Gasket Kit	(1)	260-1194	Gasket Kit	(1)	E-470X	Standard Piston Ring Set
(1)	260-1269	Gasket Kit	205-1083M			(1)	6630M	Main Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set
205-1038M			(1)	E-369X	Standard Piston Ring Set	205-1097			(1)	260-1205	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-454X	Standard Piston Ring Set	205-1103M		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1032	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	E-470X	Standard Piston Ring Set
(1)	260-1269	Gasket Kit	(1)	7144MA	Main Bearing Set	(1)	260-1427	Gasket Kit	(1)	4-1400AA	Connecting Rod Bearing Set
205-1038M			205-1086			205-1097M			(1)	260-1205	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	E-233X	Standard Piston Ring Set	(1)	E-454X	Standard Piston Ring Set	(1)	6695MA	Main Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	205-1105		
(1)	260-1269	Gasket Kit	(1)	260-1418	Gasket Kit	(1)	260-1427	Gasket Kit	(1)	E-442X	Standard Piston Ring Set
(1)	4663MA	Main Bearing Set	205-1086M			(1)	6678MA	Main Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
			(1)	E-233X	Standard Piston Ring Set (cont'd. next column)				(1)	260-1434	Gasket Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-1105M			205-1113C			205-112M			205-1131		
(1)	E-442X	Standard Piston Ring Set	(1)	E-471X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	E-531X	Standard Piston Ring Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	260-1434	Gasket Kit	(1)	260-1443	Gasket Kit	(1)	260-1006	Gasket Kit	(1)	260-1227	Gasket Kit
(1)	4979M	Main Bearing Set	205-1113M			(1)	4916M	Main Bearing Set	205-1131M		
205-1106			(1)	E-471X	Standard Piston Ring Set	205-1120			(1)	E-531X	Standard Piston Ring Set
(1)	E-465X	Standard Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	E-446X	Standard Piston Ring Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1443	Gasket Kit	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	260-1227	Gasket Kit
(1)	260-1436	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	260-1222	Gasket Kit	(1)	7047MA	Main Bearing Set
205-1106M			205-1114			205-1120M			205-1132		
(1)	E-465X	Standard Piston Ring Set	(1)	E-471X	Standard Piston Ring Set	(1)	E-446X	Standard Piston Ring Set	(1)	E-535X	Standard Piston Ring Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set	(1)	4-1540A	Connecting Rod Bearing Set
(1)	260-1436	Gasket Kit	(1)	260-1444	Gasket Kit	(1)	260-1222	Gasket Kit	(1)	260-1460	Gasket Kit
(1)	5130M	Main Bearing Set	205-1114M			(1)	7011MA	Main Bearing Set	205-1132M		
205-1107			(1)	E-471X	Standard Piston Ring Set	205-1121			(1)	E-535X	Standard Piston Ring Set
(1)	E-465X	Standard Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	E-458X	Standard Piston Ring Set	(1)	4-1540A	Connecting Rod Bearing Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1444	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1460	Gasket Kit
(1)	260-1437	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	260-1451	Gasket Kit	(1)	7054MA	Main Bearing Set
205-1107M			205-1115			205-1121M			205-1134		
(1)	E-465X	Standard Piston Ring Set	(1)	E-458X	Standard Piston Ring Set	(1)	E-458X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1437	Gasket Kit	(1)	260-1445	Gasket Kit	(1)	260-1451	Gasket Kit	(1)	260-1464	Gasket Kit
(1)	5130M	Main Bearing Set	205-1115M			(1)	4125MA	Main Bearing Set	205-1134M		
205-1108			(1)	E-458X	Standard Piston Ring Set	205-1123			(1)	E-384X	Standard Piston Ring Set
(1)	E-465X	Standard Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1445	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	260-1464	Gasket Kit
(1)	260-1438	Gasket Kit	(1)	4125MA	Main Bearing Set	(1)	260-1452	Gasket Kit	(1)	6689MA	Main Bearing Set
205-1108M			205-1116			205-1123M			205-1135		
(1)	E-465X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set
(1)	4-1035CP	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1438	Gasket Kit	(1)	260-1446	Gasket Kit	(1)	260-1452	Gasket Kit	(1)	260-1462	Gasket Kit
(1)	5130M	Main Bearing Set	205-1116M			(1)	4907M	Main Bearing Set	205-1135M		
205-1110			(1)	E-251X	Standard Piston Ring Set	205-1124			(1)	E-384X	Standard Piston Ring Set
(1)	E-446X	Standard Piston Ring Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	260-1446	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	260-1462	Gasket Kit
(1)	260-1210	Gasket Kit	(1)	5078MA	Main Bearing Set	(1)	260-1453	Gasket Kit	(1)	6690MA	Main Bearing Set
205-1110M			205-1118			205-1124M			205-1136		
(1)	E-446X	Standard Piston Ring Set	(1)	E-442X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set
(1)	6-1220RA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair
(1)	260-1210	Gasket Kit	(1)	260-1447	Gasket Kit	(1)	260-1453	Gasket Kit	(1)	260-1463	Gasket Kit
(1)	7011MA	Main Bearing Set	205-1118M			(1)	4907M	Main Bearing Set	205-1136M		
205-1111			(1)	E-442X	Standard Piston Ring Set	205-113			(1)	E-384X	Standard Piston Ring Set
(1)	E-471X	Standard Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set	(4)	2500RAA	Connecting Rod Bearing Pair
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1447	Gasket Kit	(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1463	Gasket Kit
(1)	260-1441	Gasket Kit	(1)	4979M	Main Bearing Set	(1)	260-1009	Gasket Kit	(1)	6690MA	Main Bearing Set
205-1111M			205-1119			205-113M			205-1138		
(1)	E-471X	Standard Piston Ring Set	(1)	E-442X	Standard Piston Ring Set	(1)	E-233X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1441	Gasket Kit	(1)	260-1448	Gasket Kit	(1)	260-1009	Gasket Kit	(1)	260-1465	Gasket Kit
(1)	7295MA	Main Bearing Set	205-1119M			(1)	4400MA	Main Bearing Set	205-1138M		
205-1112			(1)	E-442X	Standard Piston Ring Set	205-1130			(1)	E-369X	Standard Piston Ring Set
(1)	E-471X	Standard Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-539X	Standard Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1448	Gasket Kit	(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	260-1465	Gasket Kit
(1)	260-1442	Gasket Kit	(1)	7291MA	Main Bearing Set	(1)	260-1459	Gasket Kit	(1)	7144MA	Main Bearing Set
205-1112M			205-112			205-1130M			205-114		
(1)	E-471X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	E-539X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set
(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set
(1)	260-1442	Gasket Kit	(1)	260-1006	Gasket Kit	(1)	260-1459	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	7295MA	Main Bearing Set				(1)	7108M	Main Bearing Set			

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description								
205-114M			205-1155			205-1184M			205-122A										
(1)	E-234X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set								
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set								
(1)	260-1005	Gasket Kit	(1)	260-1482	Gasket Kit	(1)	260-1466	Gasket Kit	(1)	260-1033	Gasket Kit								
(1)	4124MA	Main Bearing Set	205-1155M			205-1186			205-122AM										
205-1141																			
(1)	E-532X	Standard Piston Ring Set										(1)	E-384X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set		
(1)	6-3760A	Connecting Rod Bearing Set										(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set		
(1)	260-1469	Gasket Kit										(1)	260-1482	Gasket Kit	(1)	260-1033	Gasket Kit		
(1)	260-1469	Gasket Kit	(1)	6689MA	Main Bearing Set	(1)	260-1526	Gasket Kit	(1)	4999MA	Main Bearing Set								
205-1141M			205-1156			205-1186M			205-122M										
(1)	E-532X	Standard Piston Ring Set	(1)	E-377X	Standard Piston Ring Set	(1)	E-476X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set								
(1)	6-3760A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set								
(1)	260-1469	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	260-1526	Gasket Kit	(1)	260-1033	Gasket Kit								
(1)	7144MA	Main Bearing Set	205-1156M			205-119			205-124										
205-1148																			
(1)	E-288X	Standard Piston Ring Set										(1)	E-245X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set		
(1)	8-3045A	Connecting Rod Bearing Set										(1)	8-2020CP	Connecting Rod Bearing Set	(1)	8-3400CP	Connecting Rod Bearing Set		
(1)	260-1477	Gasket Kit										(1)	260-1000	Gasket Kit	(1)	260-1014	Gasket Kit		
(1)	260-1477	Gasket Kit	(1)	4663MA	Main Bearing Set	205-119M			205-124AM										
205-1148M																			
(1)	E-288X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set							(1)	E-245X	Standard Piston Ring Set					
(1)	8-3045A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set							(1)	8-2020CP	Connecting Rod Bearing Set					
(1)	260-1477	Gasket Kit	(1)	260-1037	Gasket Kit							(1)	260-1000	Gasket Kit					
(1)	4281M	Main Bearing Set	205-116M			205-1205			205-124M										
205-1149																			
(1)	E-251X	Standard Piston Ring Set										(1)	E-454X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set		
(1)	8-2555A	Connecting Rod Bearing Set										(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-3400CP	Connecting Rod Bearing Set		
(1)	260-1479	Gasket Kit										(1)	260-1616	Gasket Kit	(1)	260-1014	Gasket Kit		
205-1149M			(1)	4124MA	Main Bearing Set	205-1205M			(1)	5107M	Main Bearing Set								
205-1149M																			
(1)	E-251X	Standard Piston Ring Set	205-1167						205-121			205-125							
(1)	8-2555A	Connecting Rod Bearing Set												(1)	E-473X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	260-1479	Gasket Kit												(1)	4-66780CP	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set
(1)	4663MA	Main Bearing Set				(1)	260-1490	Gasket Kit						(1)	260-1028	Gasket Kit			
205-115						205-117								205-121			205-125M		
205-115																			
(1)	E-234X	Standard Piston Ring Set	(1)	E-240X	Standard Piston Ring Set				(1)	E-245X	Standard Piston Ring Set								
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set				(1)	8-1555CPA	Connecting Rod Bearing Set								
(1)	260-1019	Gasket Kit	(1)	260-1010	Gasket Kit				(1)	260-1025	Gasket Kit								
205-115M			205-1177			205-1212			205-1262M										
205-115M																			
(1)	E-234X	Standard Piston Ring Set									(1)	E-511X	Standard Piston Ring Set	(1)	E-446X	Standard Piston Ring Set			
(1)	6-2020CP	Connecting Rod Bearing Set									(1)	4-1610CP	Connecting Rod Bearing Set	(1)	6-1220RA	Connecting Rod Bearing Set			
(1)	260-1019	Gasket Kit									(1)	260-1499	Gasket Kit	(1)	260-1556	Gasket Kit			
(1)	4124MA	Main Bearing Set	205-1177M			205-1212M			205-1265										
205-1151																			
(1)	E-511X	Standard Piston Ring Set									(1)	E-446X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set			
(1)	4-1610CP	Connecting Rod Bearing Set									(1)	6-1220RA	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set			
(1)	260-1499	Gasket Kit									(1)	260-1556	Gasket Kit	(1)	260-1005	Gasket Kit			
(1)	7116MA	Main Bearing Set	205-1182			205-1215			205-1265M										
205-1151M																			
(1)	E-510X	Standard Piston Ring Set									(1)	E-458X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set			
(1)	4-3960CPA	Connecting Rod Bearing Set									(1)	8-2600A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set			
(1)	260-1503	Gasket Kit									(1)	260-1559	Gasket Kit	(1)	260-1005	Gasket Kit			
205-1153			205-1182M			205-1219			205-1266										
205-1153																			
(1)	E-510X	Standard Piston Ring Set									(1)	E-384X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set			
(1)	4-3960CPA	Connecting Rod Bearing Set									(4)	2500RAA	Connecting Rod Bearing Pair	(6)	2555A	Connecting Rod Bearing Pair			
(1)	260-1503	Gasket Kit									(1)	260-1563	Gasket Kit	(1)	260-1044	Gasket Kit			
(1)	7148M	Main Bearing Set	205-1219M			205-1219M			205-1266M										
(1)	67333AF	Thrust Washer Set									(1)	E-384X	Standard Piston Ring Set	(1)	E-217X	Standard Piston Ring Set			
205-1153M																			
(1)	E-377X	Standard Piston Ring Set									(4)	2500RAA	Connecting Rod Bearing Pair	(6)	2555A	Connecting Rod Bearing Pair			
(1)	8-2555A	Connecting Rod Bearing Set									(1)	260-1563	Gasket Kit	(1)	260-1044	Gasket Kit			
(1)	260-1268	Gasket Kit	(1)	64020A	Connecting Rod Bearing Set	(1)	6689MA	Main Bearing Set	(cont'd. next page)										
(1)	4663MA	Main Bearing Set	(1)	260-1466	Gasket Kit														

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-1266M (cont'd.)			205-1283 (cont'd.)			205-1298M			205-1318M		
(1)	4124MA	Main Bearing Set	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-432X	Standard Piston Ring Set	(1)	E-613X	Standard Piston Ring Set
205-1269			(1)	260-1000	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(6)	3055CP	Connecting Rod Bearing Pair
(1)	E-356X	Standard Piston Ring Set	205-1283M			(1)	260-1123	Gasket Kit	(1)	260-1652	Gasket Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-245X	Standard Piston Ring Set	(1)	5090MA	Main Bearing Set	(1)	7245MA	Main Bearing Set
(1)	260-1244	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	205-1299			205-132A		
205-1269M			(1)	260-1000	Gasket Kit	(1)	E-411X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
(1)	E-356X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	205-1285			(1)	260-1143	Gasket Kit	(1)	260-1001	Gasket Kit
(1)	260-1244	Gasket Kit	(1)	E-356X	Standard Piston Ring Set	205-130			205-132AM		
(1)	4663MA	Main Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-424X	Standard Piston Ring Set
205-127A			(1)	260-1023	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	E-251X	Standard Piston Ring Set	205-1285M			(1)	260-1000	Gasket Kit	(1)	260-1001	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-356X	Standard Piston Ring Set	205-130M			(1)	5025MA	Main Bearing Set
(1)	260-1126	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251X	Standard Piston Ring Set	205-132M		
205-127AM			(1)	260-1023	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-424X	Standard Piston Ring Set
(1)	E-251X	Standard Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	260-1000	Gasket Kit	(1)	8-2320CP	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	205-1286			(1)	4663MA	Main Bearing Set	(1)	260-1001	Gasket Kit
(1)	260-1126	Gasket Kit	(1)	E-356X	Standard Piston Ring Set	205-1300			(1)	4924MA	Main Bearing Set
(1)	5078MA	Main Bearing Set	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-605X	Standard Piston Ring Set	205-1320		
205-127M			(1)	260-1024	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-475X	Standard Piston Ring Set
(1)	E-251X	Standard Piston Ring Set	205-1286M			(1)	260-1233	Gasket Kit	(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-356X	Standard Piston Ring Set	205-1300M			(1)	260-1090	Gasket Kit
(1)	260-1126	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-605X	Standard Piston Ring Set	205-1320AM		
(1)	5107M	Main Bearing Set	(1)	260-1024	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-475X	Standard Piston Ring Set
205-1270M			(1)	4663MA	Main Bearing Set	(1)	260-1233	Gasket Kit	(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	E-356X	Standard Piston Ring Set	205-129			205-1308			(1)	260-1090	Gasket Kit
(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-288X	Standard Piston Ring Set	(1)	6631M	Main Bearing Set
(1)	260-1243	Gasket Kit	(1)	8-2500RAA	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	3571BF	Thrust Washer Set
(1)	4663MA	Main Bearing Set	(1)	260-1122	Gasket Kit	(1)	260-1124	Gasket Kit	205-1320M		
205-1271			205-129M			205-1308M			(1)	E-475X	Standard Piston Ring Set
(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-288X	Standard Piston Ring Set	(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	260-1090	Gasket Kit
(1)	260-1245	Gasket Kit	(1)	260-1122	Gasket Kit	(1)	260-1124	Gasket Kit	(1)	5028M	Main Bearing Set
205-1271M			(1)	5092M	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	3571BF	Thrust Washer Set
(1)	E-356X	Standard Piston Ring Set	205-1296			205-1309			205-1323		
(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-432X	Standard Piston Ring Set	(1)	E-297X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set
(1)	260-1245	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	4-3955RA	Connecting Rod Bearing Set
(1)	4663MA	Main Bearing Set	(1)	260-1232	Gasket Kit	(1)	260-1022	Gasket Kit	(1)	260-1701	Gasket Kit
205-1276			205-1296M			205-1309M			205-1323M		
(1)	E-251X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set	(1)	E-297X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set
(8)	2555A	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	4-3955RA	Connecting Rod Bearing Set
(1)	260-1479	Gasket Kit	(1)	260-1232	Gasket Kit	(1)	260-1022	Gasket Kit	(1)	260-1701	Gasket Kit
205-1276M			(1)	7242MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	6630M	Main Bearing Set
(1)	E-251X	Standard Piston Ring Set	205-1297			205-1310			205-1324		
(8)	2555A	Connecting Rod Bearing Pair	(1)	E-478X	Standard Piston Ring Set	(1)	E-297X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set
(1)	260-1479	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	4-4475RA	Connecting Rod Bearing Set
(1)	4663MA	Main Bearing Set	(1)	260-1233	Gasket Kit	(1)	260-1008	Gasket Kit	(1)	260-1701	Gasket Kit
205-1282			205-1297M			205-1310M			205-1324M		
(1)	E-243X	Standard Piston Ring Set	(1)	E-478X	Standard Piston Ring Set	(1)	E-297X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set
(8)	2555A	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(8)	3045A	Connecting Rod Bearing Pair	(1)	4-4475RA	Connecting Rod Bearing Set
(1)	260-1016	Gasket Kit	(1)	260-1233	Gasket Kit	(1)	260-1008	Gasket Kit	(1)	260-1701	Gasket Kit
205-1282M			(1)	7242MA	Main Bearing Set	(1)	4281M	Main Bearing Set	(1)	6630M	Main Bearing Set
(1)	E-243X	Standard Piston Ring Set	205-1298			205-1318			205-1325		
(8)	2555A	Connecting Rod Bearing Pair	(1)	E-432X	Standard Piston Ring Set	(1)	E-613X	Standard Piston Ring Set	(1)	E-516X	Standard Piston Ring Set
(1)	260-1016	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(6)	3055CP	Connecting Rod Bearing Pair	(1)	4-4475RA	Connecting Rod Bearing Set
(1)	4926MA	Main Bearing Set	(1)	260-1123	Gasket Kit	(1)	260-1652	Gasket Kit	(1)	260-1194	Gasket Kit
205-1283									205-1325M		
(1)	E-245X	Standard Piston Ring Set (cont'd. next column)							(1)	E-516X	Standard Piston Ring Set
									(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-1325M (cont'd.)			205-137M			205-153			205-162M		
(1)	4-4475RA	Connecting Rod Bearing Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	260-1194	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	6630M	Main Bearing Set	(1)	260-1013	Gasket Kit	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit
205-1335			(1)	4907M	Main Bearing Set	205-153M			(1)	994M	Main Bearing Set
(1)	E-524X	Standard Piston Ring Set	205-1375			(1)	E-251X	Standard Piston Ring Set	205-167		
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	E-541X	Standard Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-233X	Standard Piston Ring Set
(1)	260-1709	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1125	Gasket Kit	(1)	8-2320CP	Connecting Rod Bearing Set
205-1335M			(1)	260-1703	Gasket Kit	(1)	4125MA	Main Bearing Set	(1)	260-1001	Gasket Kit
(1)	E-524X	Standard Piston Ring Set	205-1375M			205-155			205-170		
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	E-541X	Standard Piston Ring Set	(1)	E-318X	Standard Piston Ring Set	(1)	E-270X	Standard Piston Ring Set
(1)	260-1709	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2410CP	Connecting Rod Bearing Set
(1)	5103M	Main Bearing Set	(1)	260-1703	Gasket Kit	(1)	260-1043	Gasket Kit	(1)	260-1075	Gasket Kit
205-134			(1)	5103M	Main Bearing Set	205-156			205-170M		
(1)	E-288X	Standard Piston Ring Set	205-140			(1)	E-424X	Standard Piston Ring Set	(1)	E-270X	Standard Piston Ring Set
(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	E-299X	Standard Piston Ring Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2410CP	Connecting Rod Bearing Set
(1)	260-1012	Gasket Kit	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	260-1043	Gasket Kit	(1)	260-1075	Gasket Kit
205-134M			(1)	260-1025	Gasket Kit	205-156M			(1)	4070M	Main Bearing Set
(1)	E-288X	Standard Piston Ring Set	205-140M			(1)	E-424X	Standard Piston Ring Set	205-172		
(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	E-299X	Standard Piston Ring Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	E-261X	Standard Piston Ring Set
(1)	260-1012	Gasket Kit	(1)	8-1555CPA	Connecting Rod Bearing Set	(1)	260-1043	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair
(1)	4418M	Main Bearing Set	(1)	260-1025	Gasket Kit	(1)	5025MA	Main Bearing Set	(1)	260-1035	Gasket Kit
205-1345M			(1)	4040M	Main Bearing Set	205-157			205-174		
(1)	E-458X	Standard Piston Ring Set	205-1415			(1)	E-359X	Standard Piston Ring Set	(1)	E-243X	Standard Piston Ring Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-532X	Standard Piston Ring Set	(4)	3665P	Connecting Rod Bearing Pair	(1)	8-3345P	Connecting Rod Bearing Set
(1)	260-1559	Gasket Kit	(1)	6-3760A	Connecting Rod Bearing Set	(1)	260-1021	Gasket Kit	(1)	260-1008	Gasket Kit
(1)	4125MA	Main Bearing Set	(1)	260-1566	Gasket Kit	205-158			205-1779E		
205-1356			205-1415M			(1)	E-251X	Standard Piston Ring Set	(1)	E-456X	Standard Piston Ring Set
(1)	E-534X	Standard Piston Ring Set	(1)	E-532X	Standard Piston Ring Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-1025PA	Connecting Rod Bearing Set
(1)	8-3870RA	Connecting Rod Bearing Set	(1)	6-3760A	Connecting Rod Bearing Set	(1)	260-1045	Gasket Kit	(1)	260-1779	Gasket Kit
(1)	260-1475	Gasket Kit	(1)	260-1566	Gasket Kit	205-158M			205-1779EM		
205-1356M			(1)	7144MA	Main Bearing Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-456X	Standard Piston Ring Set
(1)	E-534X	Standard Piston Ring Set	205-142			(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-1025PA	Connecting Rod Bearing Set
(1)	8-3870RA	Connecting Rod Bearing Set	(1)	E-318X	Standard Piston Ring Set	(1)	260-1045	Gasket Kit	(1)	260-1779	Gasket Kit
(1)	260-1475	Gasket Kit	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	4663MA	Main Bearing Set	(1)	6680MA	Main Bearing Set
(1)	7256MA	Main Bearing Set	(1)	260-1001	Gasket Kit	205-160			205-179		
205-1360			205-146			(1)	E-233X	Standard Piston Ring Set	(1)	E-300X	Standard Piston Ring Set
(1)	E-519X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	260-1046	Gasket Kit	(1)	260-1025	Gasket Kit
(1)	260-1090	Gasket Kit	(1)	260-1018	Gasket Kit	205-160M			205-181		
205-1360M			205-146M			(1)	E-233X	Standard Piston Ring Set	(1)	E-418X	Standard Piston Ring Set
(1)	E-519X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	260-1046	Gasket Kit	(1)	260-1093	Gasket Kit
(1)	260-1090	Gasket Kit	(1)	260-1018	Gasket Kit	(1)	4400MA	Main Bearing Set	205-181M		
(1)	5028M	Main Bearing Set	(1)	4979M	Main Bearing Set	205-161			(1)	E-418X	Standard Piston Ring Set
(1)	3571BF	Thrust Washer Set	205-151			(1)	E-243X	Standard Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set
205-1361			(1)	E-377X	Standard Piston Ring Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1093	Gasket Kit
(1)	E-599X	Standard Piston Ring Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	260-1009	Gasket Kit	(1)	6678MA	Main Bearing Set
(1)	4-67230CP	Connecting Rod Bearing Set	(1)	260-1122	Gasket Kit	205-161M			205-183A		
(1)	260-1605	Gasket Kit	205-151M			(1)	E-243X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
205-1362			(1)	E-377X	Standard Piston Ring Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-560X	Standard Piston Ring Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	260-1009	Gasket Kit	(1)	260-1095	Gasket Kit
(1)	4-67230CP	Connecting Rod Bearing Set	(1)	260-1122	Gasket Kit	(1)	4400MA	Main Bearing Set	205-183AM		
(1)	260-1605	Gasket Kit	(1)	5092M	Main Bearing Set	205-162			(1)	E-251X	Standard Piston Ring Set
205-137			205-152			(1)	E-251X	Standard Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	E-296X	Standard Piston Ring Set	(1)	E-351X	Standard Piston Ring Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	260-1095	Gasket Kit
(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	260-1000	Gasket Kit	(1)	4999MA	Main Bearing Set
(1)	260-1013	Gasket Kit	(1)	260-1127	Gasket Kit						

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-185			205-192			205-213			205-224		
(1)	E-413X	Standard Piston Ring Set	(1)	E-414X	Standard Piston Ring Set	(1)	E-286X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	6-3750P	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1097	Gasket Kit	(1)	260-1101	Gasket Kit	(1)	260-1121	Gasket Kit	(1)	260-1149	Gasket Kit
205-186			205-192M			205-213M			205-224M		
(1)	E-232X	Standard Piston Ring Set	(1)	E-414X	Standard Piston Ring Set	(1)	E-286X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-3750P	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1009	Gasket Kit	(1)	260-1101	Gasket Kit	(1)	260-1121	Gasket Kit	(1)	260-1149	Gasket Kit
205-186M			(1)	5085MA	Main Bearing Set	(1)	4923MA	Main Bearing Set	(1)	7144MA	Main Bearing Set
(1)	E-232X	Standard Piston Ring Set	205-1921			205-214			205-225		
(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-532X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	260-1009	Gasket Kit	(1)	6-3755A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	4400MA	Main Bearing Set	(1)	260-1566	Gasket Kit	(1)	260-1128	Gasket Kit	(1)	260-1138	Gasket Kit
205-1861			205-1921M			205-215			205-225M		
(1)	E-542X	Standard Piston Ring Set	(1)	E-532X	Standard Piston Ring Set	(1)	E-301X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
(1)	4-3975P	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1765	Gasket Kit	(1)	260-1566	Gasket Kit	(1)	260-1151	Gasket Kit	(1)	260-1138	Gasket Kit
205-1861M			(1)	7144MA	Main Bearing Set	205-215M			(1)	7144MA	Main Bearing Set
(1)	E-542X	Standard Piston Ring Set	205-1922			(1)	E-301X	Standard Piston Ring Set	205-227A		
(1)	4-3975P	Connecting Rod Bearing Set	(1)	E-532X	Standard Piston Ring Set	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	E-432X	Standard Piston Ring Set
(1)	260-1765	Gasket Kit	(1)	6-3760A	Connecting Rod Bearing Set	(1)	260-1151	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	6692M	Main Bearing Set	(1)	260-1469	Gasket Kit	(1)	5037M	Main Bearing Set	(1)	260-1143	Gasket Kit
205-1875			205-1922M			205-216			205-227AM		
(1)	E-617X	Standard Piston Ring Set	(1)	E-532X	Standard Piston Ring Set	(1)	E-222X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set
(1)	4-4595P	Connecting Rod Bearing Set	(1)	6-3760A	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1768	Gasket Kit	(1)	260-1469	Gasket Kit	(1)	260-1134	Gasket Kit	(1)	260-1143	Gasket Kit
205-1875M			(1)	7144MA	Main Bearing Set	205-216M			(1)	7242MA	Main Bearing Set
(1)	E-617X	Standard Piston Ring Set	205-194			(1)	E-222X	Standard Piston Ring Set	205-227M		
(1)	4-4595P	Connecting Rod Bearing Set	(1)	E-236X	Standard Piston Ring Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-432X	Standard Piston Ring Set
(1)	260-1768	Gasket Kit	(1)	8-3045A	Connecting Rod Bearing Set	(1)	260-1134	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	7320M	Main Bearing Set	(1)	260-1103	Gasket Kit	(1)	4289M	Main Bearing Set	(1)	260-1143	Gasket Kit
205-1878			205-1944			205-217A			205-228A		
(1)	E-616X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1767	Gasket Kit	(1)	260-1434	Gasket Kit	(1)	260-1153	Gasket Kit	(1)	260-1144	Gasket Kit
205-1878M			205-1944M			205-217AM			205-228AM		
(1)	E-616X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1767	Gasket Kit	(1)	260-1434	Gasket Kit	(1)	260-1153	Gasket Kit	(1)	260-1144	Gasket Kit
(1)	6631M	Main Bearing Set	(1)	4979M	Main Bearing Set	(1)	5024MA	Main Bearing Set	(1)	7242MA	Main Bearing Set
205-1882			205-195			205-217M			205-228M		
(1)	E-528X	Standard Piston Ring Set	(1)	E-378X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set
(1)	6-1735CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1839	Gasket Kit	(1)	260-1104	Gasket Kit	(1)	260-1153	Gasket Kit	(1)	260-1144	Gasket Kit
205-1882M			205-195M			205-218A			205-232		
(1)	E-528X	Standard Piston Ring Set	(1)	E-378X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	E-408X	Standard Piston Ring Set
(1)	6-1735CP	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1839	Gasket Kit	(1)	260-1104	Gasket Kit	(1)	260-1152	Gasket Kit	(1)	260-1032	Gasket Kit
(1)	7090M	Main Bearing Set	(1)	4281M	Main Bearing Set	205-218AM			205-233		
205-191			205-199			(1)	E-178X	Standard Piston Ring Set	(1)	E-408X	Standard Piston Ring Set
(1)	E-369X	Standard Piston Ring Set	(1)	E-411X	Standard Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1152	Gasket Kit	(1)	260-1149	Gasket Kit
(1)	260-1032	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	5095MA	Main Bearing Set	205-238		
205-191M			205-199M			205-218M			(1)	E-289X	Standard Piston Ring Set
(1)	E-369X	Standard Piston Ring Set	(1)	E-411X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set	(1)	8-3320CP	Connecting Rod Bearing Set
(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	260-1150	Gasket Kit
(1)	260-1032	Gasket Kit	(1)	260-1123	Gasket Kit	(1)	260-1152	Gasket Kit			
(1)	7144MA	Main Bearing Set	(1)	5090MA	Main Bearing Set	(1)	5024MA	Main Bearing Set			

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-239			205-252M			205-268			205-311		
(1)	E-234X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-366X	Standard Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-67230CP	Connecting Rod Bearing Set
(1)	260-1129	Gasket Kit	(1)	260-1161	Gasket Kit	(1)	260-1177	Gasket Kit	(1)	260-1060	Gasket Kit
205-239M			205-257			205-268M			205-312		
(1)	E-234X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	E-360X	Standard Piston Ring Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	4-67230CP	Connecting Rod Bearing Set
(1)	260-1129	Gasket Kit	(1)	260-1166	Gasket Kit	(1)	260-1177	Gasket Kit	(1)	260-1060	Gasket Kit
(1)	4124MA	Main Bearing Set				(1)	4907M	Main Bearing Set			
205-243			205-257M			205-269A			205-329		
(1)	E-178X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-357X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-3570CPB	Connecting Rod Bearing Set
(1)	260-1121	Gasket Kit	(1)	260-1166	Gasket Kit	(1)	260-1178	Gasket Kit	(1)	260-1090	Gasket Kit
205-243M			205-258			205-269AM			205-330		
(1)	E-178X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-416X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set
(1)	260-1121	Gasket Kit	(1)	260-1167	Gasket Kit	(1)	260-1178	Gasket Kit	(1)	260-1091	Gasket Kit
(1)	5024MA	Main Bearing Set				(1)	6689MA	Main Bearing Set			
205-244A			205-258M			205-270			205-343		
(1)	E-178X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-360X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-67230CP	Connecting Rod Bearing Set
(1)	260-1154	Gasket Kit	(1)	260-1167	Gasket Kit	(1)	260-1179	Gasket Kit	(1)	260-1159	Gasket Kit
205-244AM			205-260			205-270M			205-352		
(1)	E-178X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	E-436X	Standard Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	4-67275CP	Connecting Rod Bearing Set
(1)	260-1154	Gasket Kit	(1)	260-1169	Gasket Kit	(1)	260-1179	Gasket Kit	(1)	260-1062	Gasket Kit
(1)	5024MA	Main Bearing Set				(1)	6690MA	Main Bearing Set			
205-245			205-260M			205-272			205-353		
(1)	E-425X 1.00MM	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set	(1)	E-437X	Standard Piston Ring Set
(1)	4-66675P	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set
(1)	260-1155	Gasket Kit	(1)	260-1169	Gasket Kit	(1)	260-1181	Gasket Kit	(1)	260-1065	Gasket Kit
205-245M			205-261			205-273			205-354		
(1)	E-425X 1.00MM	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set	(1)	E-416X	Standard Piston Ring Set
(1)	4-66675P	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set
(1)	260-1155	Gasket Kit	(1)	260-1170	Gasket Kit	(1)	260-1182	Gasket Kit	(1)	260-1188	Gasket Kit
(1)	6618M	Main Bearing Set				205-274A			205-354M		
205-247			205-261M			(1)	E-251X	Standard Piston Ring Set	(1)	E-416X	Standard Piston Ring Set
(1)	E-439X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set
(1)	4-66675P	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	260-1189	Gasket Kit	(1)	260-1188	Gasket Kit
(1)	260-1156	Gasket Kit	(1)	260-1170	Gasket Kit	205-274AM			(1)	7148M	Main Bearing Set
(1)	260-1156	Gasket Kit	(1)	5078MA	Main Bearing Set	(1)	E-251X	Standard Piston Ring Set	205-358		
205-247M			205-263			(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-450X	Standard Piston Ring Set
(1)	E-439X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	260-1189	Gasket Kit	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	4-66675P	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	5078MA	Main Bearing Set	(1)	260-1191	Gasket Kit
(1)	260-1156	Gasket Kit	(1)	260-1172	Gasket Kit	205-274M			205-358M		
(1)	6618M	Main Bearing Set				(1)	E-251X	Standard Piston Ring Set	(1)	E-450X	Standard Piston Ring Set
205-250			205-263M			(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	E-439X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	260-1189	Gasket Kit	(1)	260-1191	Gasket Kit
(1)	4-66675P	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	5107M	Main Bearing Set	(1)	6676M	Main Bearing Set
(1)	260-1155	Gasket Kit	(1)	260-1172	Gasket Kit	205-301			205-359		
205-250M			205-265			(1)	E-364X	Standard Piston Ring Set	(1)	E-450X	Standard Piston Ring Set
(1)	E-439X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	4-66675P	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set	(1)	260-1065	Gasket Kit	(1)	260-1192	Gasket Kit
(1)	260-1155	Gasket Kit	(1)	260-1174	Gasket Kit	205-305			205-359M		
(1)	6618M	Main Bearing Set				(1)	E-360X	Standard Piston Ring Set	(1)	E-450X	Standard Piston Ring Set
205-252			205-265M			(1)	4-67275CP	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set
(1)	E-352X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	260-1062	Gasket Kit	(1)	260-1192	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set				(1)	6676M	Main Bearing Set
(1)	260-1161	Gasket Kit	(1)	260-1174	Gasket Kit	205-360			205-360		
			(1)	4916M	Main Bearing Set				(1)	E-222X	Standard Piston Ring Set
											(cont'd. next page)

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-360 (cont'd.)			205-382M			205-397M			205-6007M (cont'd.)		
(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-465X	Standard Piston Ring Set	(1)	E-351X	Standard Piston Ring Set	(1)	260-1228	Gasket Kit
(1)	260-1193	Gasket Kit	(1)	4-2380CP	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	6689MA	Main Bearing Set
205-360M			(1)	260-1208	Gasket Kit	(1)	260-1219	Gasket Kit	205-6008		
(1)	E-222X	Standard Piston Ring Set	(1)	5130M	Main Bearing Set	(1)	6101MA	Main Bearing Set	(1)	E-384K	Premium Piston Ring Set
(1)	6-3310CPA	Connecting Rod Bearing Set	205-383			(1)	E-481X	Standard Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1193	Gasket Kit	(1)	E-465X	Standard Piston Ring Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	260-1229	Gasket Kit
(1)	4289M	Main Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1220	Gasket Kit	205-6008M		
205-361			(1)	260-1208	Gasket Kit	205-398			(1)	E-384K	Premium Piston Ring Set
(1)	E-370X	Standard Piston Ring Set	205-383M			(1)	E-481X	Standard Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	4-3955RA	Connecting Rod Bearing Set	(1)	E-465X	Standard Piston Ring Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	260-1229	Gasket Kit
(1)	260-1194	Gasket Kit	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	260-1220	Gasket Kit	(1)	6690MA	Main Bearing Set
205-361M			(1)	5130M	Main Bearing Set	205-398M			205-6009		
(1)	E-370X	Standard Piston Ring Set	205-386			(1)	E-458K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	4-3955RA	Connecting Rod Bearing Set	(1)	E-415X	Standard Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	260-1194	Gasket Kit	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1169	Gasket Kit	(1)	260-1230	Gasket Kit
(1)	6630M	Main Bearing Set	(1)	260-1211	Gasket Kit	205-6002			205-6009M		
205-369			205-386M			(1)	E-458K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	E-454X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	260-1169	Gasket Kit	(1)	260-1230	Gasket Kit
(1)	260-1093	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	4123MA	Main Bearing Set
205-369M			205-388			205-6002M			205-601		
(1)	E-454X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	E-296K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	260-1093	Gasket Kit	(1)	260-1213A	Gasket Kit	(1)	260-1223	Gasket Kit	(1)	260-1035	Gasket Kit
(1)	6678MA	Main Bearing Set	205-388M			205-6003M			205-601M		
205-370			(1)	E-251X	Standard Piston Ring Set	(1)	E-296K	Premium Piston Ring Set	(1)	E-180K	Premium Piston Ring Set
(1)	E-454X	Standard Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set	(1)	8-3230CP	Connecting Rod Bearing Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1213A	Gasket Kit	(1)	260-1223	Gasket Kit	(1)	260-1035	Gasket Kit
(1)	260-1200	Gasket Kit	(1)	4125MA	Main Bearing Set	(1)	4907M	Main Bearing Set	(1)	4261M	Main Bearing Set
205-370M			205-390			205-6004			205-6010		
(1)	E-454X	Standard Piston Ring Set	(1)	E-248X	Standard Piston Ring Set	(1)	E-447K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	4-3800CPA	Connecting Rod Bearing Set	(8)	3230CP	Connecting Rod Bearing Pair	(1)	8-3810CP	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	260-1200	Gasket Kit	(1)	260-1035	Gasket Kit	(1)	260-1672	Gasket Kit	(1)	260-1231	Gasket Kit
(1)	6678MA	Main Bearing Set	205-391			(1)	260-4029	Valley Pan Gasket Set	205-6010M		
205-374			(1)	E-476X	Standard Piston Ring Set	205-6004M			(1)	E-450K	Premium Piston Ring Set
(1)	E-452X	Standard Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-447K	Premium Piston Ring Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1214	Gasket Kit	(1)	8-3810CP	Connecting Rod Bearing Set	(1)	260-1231	Gasket Kit
(1)	260-1199	Gasket Kit	205-391M			(1)	260-1672	Gasket Kit	(1)	4123MA	Main Bearing Set
205-374M			(1)	E-476X	Standard Piston Ring Set	(1)	260-4029	Valley Pan Gasket Set	205-6015		
(1)	E-452X	Standard Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	5110M	Main Bearing Set	(1)	E-369K	Premium Piston Ring Set
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1214	Gasket Kit	205-6006			(1)	6-3755A	Connecting Rod Bearing Set
(1)	260-1199	Gasket Kit	(1)	4979M	Main Bearing Set	(1)	E-477K	Premium Piston Ring Set	(1)	260-1236	Gasket Kit
(1)	5103M	Main Bearing Set	205-396			(1)	4-2020CP	Connecting Rod Bearing Set	205-6015M		
205-375			(1)	E-442X	Standard Piston Ring Set	(1)	260-1227	Gasket Kit	(1)	E-369K	Premium Piston Ring Set
(1)	E-455X	Standard Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	205-6006M			(1)	6-3755A	Connecting Rod Bearing Set
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1218	Gasket Kit	(1)	E-477K	Premium Piston Ring Set	(1)	260-1236	Gasket Kit
(1)	260-1199	Gasket Kit	205-396M			(1)	4-2020CP	Connecting Rod Bearing Set	(1)	7144MA	Main Bearing Set
(1)	5103M	Main Bearing Set	(1)	E-442X	Standard Piston Ring Set	(1)	260-1227	Gasket Kit	205-6016		
205-375M			(1)	4-3545A	Connecting Rod Bearing Set	(1)	7047MA	Main Bearing Set	(1)	E-197K	Premium Piston Ring Set
(1)	E-455X	Standard Piston Ring Set	(1)	260-1218	Gasket Kit	205-6007			(6)	3755A	Connecting Rod Bearing Pair
(1)	4-3485CP	Connecting Rod Bearing Set	(1)	4979M	Main Bearing Set	(1)	E-384K	Premium Piston Ring Set	(1)	260-1032	Gasket Kit
(1)	260-1199	Gasket Kit	205-397			(1)	4-2500RAA	Connecting Rod Bearing Set	205-6017		
(1)	5103M	Main Bearing Set	(1)	E-351X	Standard Piston Ring Set	(1)	260-1228	Gasket Kit	(1)	E-434K	Premium Piston Ring Set
205-382			(1)	6-3055CP	Connecting Rod Bearing Set	205-6007M			(1)	6-3755A	Connecting Rod Bearing Set
(1)	E-465X	Standard Piston Ring Set	(1)	260-1219	Gasket Kit	(1)	E-384K	Premium Piston Ring Set	(1)	260-1138	Gasket Kit
(1)	4-2380CP	Connecting Rod Bearing Set				(1)	4-2500RAA	Connecting Rod Bearing Set	205-6017M		
(1)	260-1208	Gasket Kit				(cont'd. next column)			(1)	E-434K	Premium Piston Ring Set
									(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6017M (cont'd.)			205-6024			205-6037			205-6066 (cont'd.)		
(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	6-67035P	Connecting Rod Bearing Set
(1)	260-1138	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1294	Gasket Kit
(1)	7144MA	Main Bearing Set	(1)	260-1243	Gasket Kit	(1)	260-1268	Gasket Kit	205-6072		
205-6018			205-6024M			205-6037M			(1)	E-494KC	Premium Piston Ring Set
(1)	E-434K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	4-68150CP	Connecting Rod Bearing Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	260-1299	Gasket Kit
(1)	260-1238	Gasket Kit	(1)	260-1243	Gasket Kit	(1)	260-1268	Gasket Kit	205-608A		
205-6018M			(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	E-219K	Premium Piston Ring Set
(1)	E-434K	Premium Piston Ring Set	205-6025			205-6038			(1)	6-2380CP	Connecting Rod Bearing Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1002	Gasket Kit
(1)	260-1238	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	205-608AM		
(1)	7144MA	Main Bearing Set	(1)	260-1245	Gasket Kit	(1)	260-1269	Gasket Kit	(1)	E-219K	Premium Piston Ring Set
205-6019			205-6025M			205-6038M			(1)	6-2380CP	Connecting Rod Bearing Set
(1)	E-459K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1002	Gasket Kit
(1)	6-1020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	5071M	Main Bearing Set
(1)	260-1239	Gasket Kit	(1)	260-1245	Gasket Kit	(1)	260-1269	Gasket Kit	205-608M		
205-6019M			(1)	4663MA	Main Bearing Set	(1)	4663MA	Main Bearing Set	(1)	E-219K	Premium Piston Ring Set
(1)	E-459K	Premium Piston Ring Set	205-6026			205-604			(1)	6-2380CP	Connecting Rod Bearing Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set	(1)	260-1002	Gasket Kit
(1)	260-1239	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	4290M	Main Bearing Set
(1)	5085MA	Main Bearing Set	(1)	260-1246	Gasket Kit	(1)	260-1038	Gasket Kit	205-6083		
205-602			205-6026M			205-604M			(1)	E-369K	Premium Piston Ring Set
(1)	E-196K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set	(1)	6-3755A	Connecting Rod Bearing Set
(1)	6-2375CP	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1032	Gasket Kit
(1)	260-1004	Gasket Kit	(1)	260-1246	Gasket Kit	(1)	260-1038	Gasket Kit	205-6083M		
205-602M			(1)	4663MA	Main Bearing Set	(1)	5070M	Main Bearing Set	(1)	E-369K	Premium Piston Ring Set
(1)	E-196K	Premium Piston Ring Set	205-6027			205-6049			(1)	6-3755A	Connecting Rod Bearing Set
(1)	6-2375CP	Connecting Rod Bearing Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-473KC	Premium Piston Ring Set	(1)	260-1032	Gasket Kit
(1)	260-1004	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-66780CP	Connecting Rod Bearing Set	(1)	7144MA	Main Bearing Set
(1)	4092M	Main Bearing Set	(1)	260-1247	Gasket Kit	(1)	260-1279	Gasket Kit	205-6084		
205-6020			205-6027M			205-605			(1)	E-468K	Premium Piston Ring Set
(1)	E-459K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set	(1)	E-197K	Premium Piston Ring Set	(1)	8-3860P	Connecting Rod Bearing Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2380CP	Connecting Rod Bearing Set	(1)	260-1315	Gasket Kit
(1)	260-1240	Gasket Kit	(1)	260-1247	Gasket Kit	(1)	260-1002	Gasket Kit	205-6084M		
205-6020M			(1)	4663MA	Main Bearing Set	205-6052			(1)	E-468K	Premium Piston Ring Set
(1)	E-459K	Premium Piston Ring Set	205-603			(1)	E-475KC	Premium Piston Ring Set	(1)	8-3860P	Connecting Rod Bearing Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	E-196K	Premium Piston Ring Set	(1)	4-67230CP	Connecting Rod Bearing Set	(1)	260-1315	Gasket Kit
(1)	260-1240	Gasket Kit	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1282	Gasket Kit	(1)	7370M	Main Bearing Set
(1)	5085MA	Main Bearing Set	(1)	260-1004	Gasket Kit	205-6057			205-6086		
205-6021			205-603M			(1)	E-489KC	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set
(1)	E-459K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set	(1)	4-3925P	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	6-3695RA	Connecting Rod Bearing Set	(1)	260-1286	Gasket Kit	(1)	260-1418	Gasket Kit
(1)	260-1241	Gasket Kit	(1)	260-1004	Gasket Kit	205-6058			205-6086M		
205-6021M			(1)	5070M	Main Bearing Set	(1)	E-489KC	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set
(1)	E-459K	Premium Piston Ring Set	205-6035			(1)	4-1025PA	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set
(1)	6-1020A	Connecting Rod Bearing Set	(1)	E-484K .75MM	Premium Piston Ring Set	(1)	260-1286	Gasket Kit	(1)	260-1418	Gasket Kit
(1)	260-1241	Gasket Kit	(1)	4-3570CPB	Connecting Rod Bearing Set	205-606M			(1)	4400MA	Main Bearing Set
(1)	5085MA	Main Bearing Set	(1)	260-1090	Gasket Kit	(1)	E-217K	Premium Piston Ring Set	205-6087		
205-6023			205-6036			(1)	6-2555A	Connecting Rod Bearing Set	(1)	E-229K	Premium Piston Ring Set
(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	6-3150CPA	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	260-1420	Gasket Kit
(1)	260-1244	Gasket Kit	(1)	260-1267	Gasket Kit	205-6064			205-6087M		
205-6023M			205-6036M			(1)	E-491KC	Premium Piston Ring Set	(1)	E-229K	Premium Piston Ring Set
(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	6-3965CP	Connecting Rod Bearing Set	(1)	6-3150CPA	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6-2555A	Connecting Rod Bearing Set	(1)	260-1292	Gasket Kit	(1)	260-1420	Gasket Kit
(1)	260-1244	Gasket Kit	(1)	260-1267	Gasket Kit	205-6066			(1)	4916M	Main Bearing Set
(1)	4663MA	Main Bearing Set	(1)	4124MA	Main Bearing Set	(1)	E-393KC	Premium Piston Ring Set (cont'd. next column)			

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-609			205-6097 (cont'd.)			205-6103M (cont'd.)			205-6112		
(1)	E-219K	Premium Piston Ring Set	(1)	260-1427	Gasket Kit	(1)	4-1400AA	Connecting Rod Bearing Set	(1)	E-471K	Premium Piston Ring Set
(1)	6-2380CP	Connecting Rod Bearing Set	205-6097M			(1)	260-1205	Gasket Kit	(6)	3830CPA	Connecting Rod Bearing Pair
(1)	260-1003	Gasket Kit	(1)	E-454K	Premium Piston Ring Set	(1)	6695MA	Main Bearing Set	(1)	260-1442	Gasket Kit
205-609M			(1)	4-3800CPA	Connecting Rod Bearing Set	205-6105			205-6112M		
(1)	E-219K	Premium Piston Ring Set	(1)	260-1427	Gasket Kit	(1)	E-442KC	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set
(1)	6-2380CP	Connecting Rod Bearing Set	(1)	6678MA	Main Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	260-1003	Gasket Kit	205-6098			(1)	260-1434	Gasket Kit	(1)	260-1442	Gasket Kit
(1)	4916M	Main Bearing Set	(1)	E-536K	Premium Piston Ring Set	205-6105M			(1)	7295MA	Main Bearing Set
205-6091			(1)	6-1460A	Connecting Rod Bearing Set	(1)	E-442KC	Premium Piston Ring Set	205-6113		
(1)	E-509K	Premium Piston Ring Set	(1)	260-1428	Gasket Kit	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-471K	Premium Piston Ring Set
(1)	8-3810CP	Connecting Rod Bearing Set	205-6098M			(1)	260-1434	Gasket Kit	(6)	3830CPA	Connecting Rod Bearing Pair
(1)	260-1673	Gasket Kit	(1)	E-536K	Premium Piston Ring Set	(1)	4979M	Main Bearing Set	(1)	260-1443	Gasket Kit
(1)	260-4029	Valley Pan Gasket Set	(1)	6-1460A	Connecting Rod Bearing Set	205-6106			205-6113M		
205-6091M			(1)	260-1428	Gasket Kit	(1)	E-465K	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set
(1)	E-509K	Premium Piston Ring Set	(1)	7050MA	Main Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set	(6)	3830CPA	Connecting Rod Bearing Pair
(1)	8-3810CP	Connecting Rod Bearing Set	205-6099			(1)	260-1436	Gasket Kit	(1)	260-1443	Gasket Kit
(1)	260-1673	Gasket Kit	(1)	E-536K	Premium Piston Ring Set	205-6106M			(1)	7295MA	Main Bearing Set
(1)	260-4029	Valley Pan Gasket Set	(1)	6-1460A	Connecting Rod Bearing Set	(1)	E-465K	Premium Piston Ring Set	205-6114		
(1)	5110M	Main Bearing Set	(1)	260-1429	Gasket Kit	(1)	4-1035CP	Connecting Rod Bearing Set	(1)	E-471K	Premium Piston Ring Set
205-6092			205-6099M			(1)	260-1436	Gasket Kit	(6)	3830CPA	Connecting Rod Bearing Pair
(1)	E-234K	Premium Piston Ring Set	(1)	E-536K	Premium Piston Ring Set	(1)	5130M	Main Bearing Set	(1)	260-1444	Gasket Kit
(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	6-1460A	Connecting Rod Bearing Set	205-6107			205-6114M		
(1)	260-1424	Gasket Kit	(1)	260-1429	Gasket Kit	(1)	E-465K	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set
205-6092M			205-610			(1)	4-1035CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	E-234K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	(1)	260-1437	Gasket Kit	(1)	260-1444	Gasket Kit
(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	205-6107M			(1)	7295MA	Main Bearing Set
(1)	260-1424	Gasket Kit	(1)	260-1007	Gasket Kit	(1)	E-465K	Premium Piston Ring Set	205-6115		
(1)	4289M	Main Bearing Set	205-610M			(1)	4-1035CP	Connecting Rod Bearing Set	(1)	E-458K	Premium Piston Ring Set
205-6093			(1)	E-222K	Premium Piston Ring Set	(1)	260-1437	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	5130M	Main Bearing Set	(1)	260-1445	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1007	Gasket Kit	205-6108			205-6115M		
(1)	260-1425	Gasket Kit	(1)	4289M	Main Bearing Set	(1)	E-465K	Premium Piston Ring Set	(1)	E-458K	Premium Piston Ring Set
205-6093M			205-6100			(1)	4-1035CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set
(1)	E-454K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	260-1438	Gasket Kit	(1)	260-1445	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	205-6108M			(1)	4125MA	Main Bearing Set
(1)	260-1425	Gasket Kit	(1)	260-1430	Gasket Kit	(1)	E-465K	Premium Piston Ring Set	205-6116		
(1)	6678MA	Main Bearing Set	205-6100M			(1)	4-1035CP	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set
205-6094			(1)	E-178K	Premium Piston Ring Set	(1)	260-1438	Gasket Kit	(1)	8-3380A	Connecting Rod Bearing Set
(1)	E-453K	Premium Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	5130M	Main Bearing Set	(1)	260-1446	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1430	Gasket Kit	205-6110			205-6116M		
(1)	260-1426	Gasket Kit	(1)	5095MA	Main Bearing Set	(1)	E-446K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
205-6094M			205-6102			(1)	6-1220RA	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set
(1)	E-453K	Premium Piston Ring Set	(1)	E-528KC	Premium Piston Ring Set	(1)	260-1210	Gasket Kit	(1)	260-1446	Gasket Kit
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set	205-6110M			(1)	5078MA	Main Bearing Set
(1)	260-1426	Gasket Kit	(1)	260-1432	Gasket Kit	(1)	E-446K	Premium Piston Ring Set	205-6118		
(1)	6678MA	Main Bearing Set	205-6102M			(1)	6-1220RA	Connecting Rod Bearing Set	(1)	E-442KC	Premium Piston Ring Set
205-6095			(1)	E-528KC	Premium Piston Ring Set	(1)	260-1210	Gasket Kit	(1)	4-3545A	Connecting Rod Bearing Set
(1)	E-516KC	Premium Piston Ring Set	(1)	6-1735CP	Connecting Rod Bearing Set	(1)	7011MA	Main Bearing Set	(1)	260-1447	Gasket Kit
(1)	4-3955RA	Connecting Rod Bearing Set	205-6103			205-6111			205-6118M		
(1)	260-1194	Gasket Kit	(1)	260-1432	Gasket Kit	(1)	E-471K	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set
205-6095M			(1)	7090M	Main Bearing Set	(6)	3830CPA	Connecting Rod Bearing Pair	(1)	4-3545A	Connecting Rod Bearing Set
(1)	E-516KC	Premium Piston Ring Set	(1)	1736AF	Thrust Washer Set	(1)	260-1441	Gasket Kit	(1)	260-1447	Gasket Kit
(1)	4-3955RA	Connecting Rod Bearing Set	205-6103M			205-6111M			205-6119		
(1)	260-1194	Gasket Kit	(1)	E-470KC	Premium Piston Ring Set	(1)	E-471K	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set
(1)	6630M	Main Bearing Set	(1)	4-1400AA	Connecting Rod Bearing Set	(6)	3830CPA	Connecting Rod Bearing Pair	(1)	4-3545A	Connecting Rod Bearing Set
205-6097			(1)	260-1205	Gasket Kit	(1)	260-1441	Gasket Kit	(1)	260-1448	Gasket Kit
(1)	E-454K	Premium Piston Ring Set	205-6103M			(1)	7295MA	Main Bearing Set	205-6119M		
(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	E-470KC	Premium Piston Ring Set	205-6111M			(1)	E-442KC	Premium Piston Ring Set
(cont'd. next column)			(cont'd. next column)			205-6111M			(1)	4-3545A	Connecting Rod Bearing Set

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description		
205-6119M			205-6127M (cont'd.)			205-6135 (cont'd.)			205-6142M				
(1)	E-442KC	Premium Piston Ring Set	(1)	3926AF	Thrust Washer Set	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-444K	Premium Piston Ring Set		
(1)	4-3545A	Connecting Rod Bearing Set	205-6128	(1)	E-540KC	Premium Piston Ring Set	(1)	260-1462	Gasket Kit	(1)	8-3870RA	Connecting Rod Bearing Set	
(1)	260-1448	Gasket Kit		(1)	4-1025PA	Connecting Rod Bearing Set	205-6135M			(1)	260-1470	Gasket Kit	
(1)	7291MA	Main Bearing Set		(1)	260-1457	Gasket Kit	(1)	E-384K	Premium Piston Ring Set	(1)	7046MA	Main Bearing Set	
205-612			205-6128M	(1)	E-540KC	Premium Piston Ring Set	(1)	4-2500RAA	Connecting Rod Bearing Set	205-6144			
(1)	E-229K	Premium Piston Ring Set		(1)	4-1025PA	Connecting Rod Bearing Set	(1)	260-1462	Gasket Kit	(1)	E-444K	Premium Piston Ring Set	
(1)	6-3150CPA	Connecting Rod Bearing Set		(1)	6690MA	Main Bearing Set	(1)	6690MA	Main Bearing Set	(1)	8-3870RA	Connecting Rod Bearing Set	
(1)	260-1006	Gasket Kit	205-613	(1)	260-1457	Gasket Kit	205-6136			(1)	260-1473	Gasket Kit	
205-612M				(1)	6680MA	Main Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair	205-6144M			
(1)	E-229K	Premium Piston Ring Set		(1)	3926AF	Thrust Washer Set	(1)	260-1463	Gasket Kit	(1)	E-444K	Premium Piston Ring Set	
(1)	6-3150CPA	Connecting Rod Bearing Set	205-6136M	205-613			(1)	E-384K	Premium Piston Ring Set	(1)	8-3870RA	Connecting Rod Bearing Set	
(1)	260-1006	Gasket Kit		(1)	E-233K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set	(1)	260-1473	Gasket Kit	
(1)	4916M	Main Bearing Set		(1)	8-3190A	Connecting Rod Bearing Set	(4)	2500RAA	Connecting Rod Bearing Pair	(1)	7046MA	Main Bearing Set	
205-6120			205-613M	(1)	260-1009	Gasket Kit	205-6136M			205-6146			
(1)	E-446K	Premium Piston Ring Set		(1)	E-539KC	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set	(1)	E-534K	Premium Piston Ring Set	
(1)	6-1220RA	Connecting Rod Bearing Set		(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(8)	3870RA	Connecting Rod Bearing Pair	
(1)	260-1222	Gasket Kit	205-6130M	(1)	260-1009	Gasket Kit	(1)	260-1463	Gasket Kit	(1)	260-1474	Gasket Kit	
205-6120M				(1)	4400MA	Main Bearing Set	205-6138			205-6146M			
(1)	E-446K	Premium Piston Ring Set		(1)	E-539KC	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-534K	Premium Piston Ring Set	
(1)	6-1220RA	Connecting Rod Bearing Set	205-6131	(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(8)	3870RA	Connecting Rod Bearing Pair	
(1)	260-1222	Gasket Kit		(1)	260-1459	Gasket Kit	(1)	260-1465	Gasket Kit	(1)	260-1474	Gasket Kit	
(1)	7011MA	Main Bearing Set		(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	7144MA	Main Bearing Set	(1)	7046MA	Main Bearing Set	
205-6121			205-6131M	205-614			205-6138M			205-6147M			
(1)	E-458K	Premium Piston Ring Set		(1)	E-234K	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-534K	Premium Piston Ring Set	
(1)	8-2600A	Connecting Rod Bearing Set		(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(8)	3870RA	Connecting Rod Bearing Pair	
(1)	260-1451	Gasket Kit	205-6131	(1)	260-1005	Gasket Kit	205-614M			(1)	260-1475	Gasket Kit	
(1)	4125MA	Main Bearing Set		(1)	E-234K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	7046MA	Main Bearing Set	
205-6123				(1)	6-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	205-6148			
(1)	E-296K	Premium Piston Ring Set	205-6132	(1)	260-1227	Gasket Kit	205-614M			(1)	E-288K	Premium Piston Ring Set	
(1)	8-3360CPA	Connecting Rod Bearing Set		(1)	E-531K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	8-3045A	Connecting Rod Bearing Set	
(1)	260-1452	Gasket Kit		(1)	4-2020CP	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	260-1477	Gasket Kit	
205-6123M			205-6132M	(1)	260-1227	Gasket Kit	205-6140			205-6148M			
(1)	E-296K	Premium Piston Ring Set		(1)	7047MA	Main Bearing Set	(1)	E-533K	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	
(1)	8-3360CPA	Connecting Rod Bearing Set		(1)	E-533K	Premium Piston Ring Set	(6)	3755A	Connecting Rod Bearing Pair	(1)	8-3045A	Connecting Rod Bearing Set	
(1)	260-1452	Gasket Kit	205-6132	(1)	260-1227	Gasket Kit	205-6140M			(1)	260-1477	Gasket Kit	
(1)	4907M	Main Bearing Set		(1)	7047MA	Main Bearing Set	(1)	E-533K	Premium Piston Ring Set	(1)	4281M	Main Bearing Set	
205-6124				(1)	E-535K	Premium Piston Ring Set	205-6140M			205-6149			
(1)	E-296K	Premium Piston Ring Set	205-6132M	(1)	4-1540A	Connecting Rod Bearing Set	(1)	E-533K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	
(1)	8-3360CPA	Connecting Rod Bearing Set		(1)	260-1460	Gasket Kit	(6)	3755A	Connecting Rod Bearing Pair	(1)	8-2555A	Connecting Rod Bearing Set	
(1)	260-1453	Gasket Kit		(1)	E-535K	Premium Piston Ring Set	(1)	260-1467	Gasket Kit	(1)	260-1479	Gasket Kit	
205-6124M			205-6134	(1)	4-1540A	Connecting Rod Bearing Set	205-6141			205-6149M			
(1)	E-296K	Premium Piston Ring Set		(1)	260-1460	Gasket Kit	(1)	E-532K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	
(1)	8-3360CPA	Connecting Rod Bearing Set		(1)	7054MA	Main Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2555A	Connecting Rod Bearing Set	
(1)	260-1453	Gasket Kit	205-6134	(1)	260-1460	Gasket Kit	205-6141M			(1)	260-1479	Gasket Kit	
(1)	4907M	Main Bearing Set		(1)	7054MA	Main Bearing Set	(1)	260-1469	Gasket Kit	(1)	4663MA	Main Bearing Set	
205-6127				(1)	E-384K	Premium Piston Ring Set	205-6141M			205-615			
(1)	E-456KC	Premium Piston Ring Set	205-6134M	(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	E-532K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	
(1)	4-1025PA	Connecting Rod Bearing Set		(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	6-3755A	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	
(1)	260-1456	Gasket Kit		(1)	260-1464	Gasket Kit	(1)	260-1469	Gasket Kit	(1)	260-1019	Gasket Kit	
205-6127M			205-6135	205-6134M			205-6142			205-615M			
(1)	E-456KC	Premium Piston Ring Set		(1)	E-384K	Premium Piston Ring Set	(1)	E-444K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	
(1)	4-1025PA	Connecting Rod Bearing Set		(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	8-3870RA	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	
(1)	260-1456	Gasket Kit	205-6135	(1)	260-1464	Gasket Kit	205-6142			(1)	260-1019	Gasket Kit	
(1)	6680MA	Main Bearing Set		(1)	6689MA	Main Bearing Set	205-6142			(1)	4124MA	Main Bearing Set	
(cont'd. next column)				(1)	E-384K	Premium Piston Ring Set	205-6142			205-6151			
			205-6135	205-6135			205-6142			(1)	E-377K	Premium Piston Ring Set	
				205-6135			205-6142			(1)	8-2555A	Connecting Rod Bearing Set	
				205-6135			205-6142			(1)	260-1478	Gasket Kit	

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6151M			205-6158M (cont'd.)			205-6176M			205-6186		
(1)	E-377K	Premium Piston Ring Set	(1)	6699MA	Main Bearing Set	(1)	E-525KC	Premium Piston Ring Set	(1)	E-476K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	67341AF	Thrust Washer Set	(1)	6-1845CP	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1478	Gasket Kit	205-616			(1)	260-1498	Gasket Kit	(1)	260-1526	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	7099M	Main Bearing Set	205-6186M		
205-6152			(1)	6-2020CP	Connecting Rod Bearing Set	205-6177			(1)	E-476K	Premium Piston Ring Set
(1)	E-530K	Premium Piston Ring Set	(1)	260-1037	Gasket Kit	(1)	E-511KC	Premium Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	205-616M			(1)	4-1610CP	Connecting Rod Bearing Set	(1)	260-1526	Gasket Kit
(1)	260-1478	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	260-1499	Gasket Kit	(1)	4979M	Main Bearing Set
205-6152M			(1)	6-2020CP	Connecting Rod Bearing Set	205-6177M			205-6187		
(1)	E-530K	Premium Piston Ring Set	(1)	260-1037	Gasket Kit	(1)	E-511KC	Premium Piston Ring Set	(6)	E-623KC	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4124MA	Main Bearing Set	(1)	4-1610CP	Connecting Rod Bearing Set	(1)	6-4205CP	Connecting Rod Bearing Set
(1)	260-1478	Gasket Kit	205-6160			(1)	260-1499	Gasket Kit	(1)	260-1527	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	E-515KC	Premium Piston Ring Set	(1)	7116MA	Main Bearing Set	205-6187M		
205-6153			(1)	4-1520CP	Connecting Rod Bearing Set	205-6178			(6)	E-623KC	Premium Piston Ring Set
(1)	E-377K	Premium Piston Ring Set	(1)	260-1485	Gasket Kit	(1)	E-456KC	Premium Piston Ring Set	(1)	6-4205CP	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	205-6160M			(1)	4-3925P	Connecting Rod Bearing Set	(1)	260-1527	Gasket Kit
(1)	260-1268	Gasket Kit	(1)	E-515KC	Premium Piston Ring Set	(1)	260-1501	Gasket Kit	(1)	7216M	Main Bearing Set
205-6153M			(1)	4-1520CP	Connecting Rod Bearing Set	205-6179			205-619		
(1)	E-377K	Premium Piston Ring Set	(1)	260-1485	Gasket Kit	(1)	E-456KC	Premium Piston Ring Set	(1)	E-245K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	6699MA	Main Bearing Set	(1)	4-1025PA	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	260-1268	Gasket Kit	(1)	67341AF	Thrust Washer Set	(1)	260-1501	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	4663MA	Main Bearing Set	205-6161			205-6180			205-619M		
205-6155			(1)	E-554KC	Premium Piston Ring Set	(1)	E-456KC	Premium Piston Ring Set	(1)	E-245K	Premium Piston Ring Set
(1)	E-384K	Premium Piston Ring Set	(1)	4-1495CP	Connecting Rod Bearing Set	(1)	4-1025PA	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	260-1486	Gasket Kit	(1)	260-1500	Gasket Kit	(1)	260-1000	Gasket Kit
(1)	260-1482	Gasket Kit	205-6161M			205-6180M			(1)	994M	Main Bearing Set
205-6155M			(1)	E-554KC	Premium Piston Ring Set	(1)	E-456KC	Premium Piston Ring Set	205-6205		
(1)	E-384K	Premium Piston Ring Set	(1)	4-1495CP	Connecting Rod Bearing Set	(1)	4-1025PA	Connecting Rod Bearing Set	(1)	E-454K	Premium Piston Ring Set
(1)	4-2500RAA	Connecting Rod Bearing Set	(1)	260-1486	Gasket Kit	(1)	260-1500	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	260-1482	Gasket Kit	(1)	7035M	Main Bearing Set	(1)	6680MA	Main Bearing Set	(1)	260-1616	Gasket Kit
(1)	6689MA	Main Bearing Set	(1)	67341AF	Thrust Washer Set	(1)	3926AF	Thrust Washer Set	205-6205M		
205-6156			205-6163			205-6181			(1)	E-454K	Premium Piston Ring Set
(1)	E-377K	Premium Piston Ring Set	(1)	E-526KC	Premium Piston Ring Set	(1)	E-523KC	Premium Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-1495CP	Connecting Rod Bearing Set	(1)	4-3895RA	Connecting Rod Bearing Set	(1)	260-1616	Gasket Kit
(1)	260-1269	Gasket Kit	(1)	260-1488	Gasket Kit	(1)	260-1502	Gasket Kit	(1)	6678MA	Main Bearing Set
205-6156M			205-6163M			205-6182			205-6206A		
(1)	E-377K	Premium Piston Ring Set	(1)	E-526KC	Premium Piston Ring Set	(1)	E-510KC	Premium Piston Ring Set	(1)	E-529K	Premium Piston Ring Set
(1)	8-2555A	Connecting Rod Bearing Set	(1)	4-1495CP	Connecting Rod Bearing Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	6-1920RA	Connecting Rod Bearing Set
(1)	260-1269	Gasket Kit	(1)	260-1488	Gasket Kit	(1)	260-1503	Gasket Kit	(1)	260-1646	Gasket Kit
(1)	4663MA	Main Bearing Set	(1)	7035M	Main Bearing Set	205-6182M			205-6206AM		
205-6157			(1)	67341AF	Thrust Washer Set	(1)	E-510KC	Premium Piston Ring Set	(1)	E-529K	Premium Piston Ring Set
(1)	E-438KC	Premium Piston Ring Set	205-6167			(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	6-1920RA	Connecting Rod Bearing Set
(1)	4-1520CP	Connecting Rod Bearing Set	(1)	E-473KC	Premium Piston Ring Set	(1)	260-1503	Gasket Kit	(1)	260-1646	Gasket Kit
(1)	260-1483	Gasket Kit	(1)	4-66780CP	Connecting Rod Bearing Set	(1)	7148M	Main Bearing Set	(1)	7278MA	Main Bearing Set
205-6157M			(1)	260-1490	Gasket Kit	(1)	67333AF	Thrust Washer Set	205-621		
(1)	E-438KC	Premium Piston Ring Set	205-617			205-6184			(1)	E-245K	Premium Piston Ring Set
(1)	4-1520CP	Connecting Rod Bearing Set	(1)	E-240K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	260-1483	Gasket Kit	(1)	8-3310CPA	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1025	Gasket Kit
(1)	6793M	Main Bearing Set	(1)	260-1010	Gasket Kit	(1)	260-1466	Gasket Kit	205-6212		
(1)	67341AF	Thrust Washer Set	205-6173			205-6184M			(1)	E-446K	Premium Piston Ring Set
205-6158			(1)	E-558KC	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set	(1)	6-1220RA	Connecting Rod Bearing Set
(1)	E-512KC	Premium Piston Ring Set	(1)	6-1845CP	Connecting Rod Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1556	Gasket Kit
(1)	4-1520CP	Connecting Rod Bearing Set	(1)	260-1495	Gasket Kit	(1)	260-1466	Gasket Kit	205-6212M		
(1)	260-1483	Gasket Kit	205-6176			(1)	7242MA	Main Bearing Set	(1)	E-446K	Premium Piston Ring Set
205-6158M			(1)	E-525KC	Premium Piston Ring Set	205-6185			(1)	6-1220RA	Connecting Rod Bearing Set
(1)	E-512KC	Premium Piston Ring Set	(1)	6-1845CP	Connecting Rod Bearing Set	(1)	E-491KC	Premium Piston Ring Set	(1)	260-1556	Gasket Kit
(1)	4-1520CP	Connecting Rod Bearing Set	(1)	260-1498	Gasket Kit	(1)	6-1165CP	Connecting Rod Bearing Set	(1)	7011MA	Main Bearing Set
(1)	260-1483	Gasket Kit	(cont'd. next column)								

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6215			205-625M (cont'd.)			205-6282 (cont'd.)			205-6297M		
(1)	E-458K	Premium Piston Ring Set	(1)	5107M	Main Bearing Set	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-478K	Premium Piston Ring Set
(1)	8-2600A	Connecting Rod Bearing Set	205-6257	E-468K 8-3860P	Premium Piston Ring Set Connecting Rod Bearing Set	(1)	260-1016	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1559	Gasket Kit				205-6282M			(1)	260-1233	Gasket Kit
205-6216						(1)	7242MA	Main Bearing Set			
(1)	E-552KC	Premium Piston Ring Set	(1)	260-1619	Gasket Kit	(1)	E-243K	Premium Piston Ring Set	205-6298		
(1)	4-3910RA	Connecting Rod Bearing Set	205-6257M			(8)	2555A	Connecting Rod Bearing Pair	(1)	E-432K	Premium Piston Ring Set
(1)	260-1560	Gasket Kit	(1)	E-468K	Premium Piston Ring Set	(1)	260-1016	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
205-6216M			(1)	8-3860P	Connecting Rod Bearing Set	(1)	4926MA	Main Bearing Set	(1)	260-1123	Gasket Kit
(1)	E-552KC	Premium Piston Ring Set	(1)	260-1619	Gasket Kit	205-6283			205-6298M		
(1)	4-3910RA	Connecting Rod Bearing Set	(1)	7370M	Main Bearing Set	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-432K	Premium Piston Ring Set
(1)	260-1560	Gasket Kit	205-6262M			(1)	260-1000	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	7204M	Main Bearing Set	(1)	E-481K	Premium Piston Ring Set	205-6283M			(1)	260-1123	Gasket Kit
(1)	4176AF	Thrust Washer Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	E-245K	Premium Piston Ring Set	(1)	5090MA	Main Bearing Set
205-6219			(1)	260-1220	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	205-6299		
(1)	E-384K	Premium Piston Ring Set	(1)	7245MA	Main Bearing Set	(1)	260-1000	Gasket Kit	(1)	E-411K	Premium Piston Ring Set
(4)	2500RAA	Connecting Rod Bearing Pair	205-6265			(1)	4663MA	Main Bearing Set	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1563	Gasket Kit	(1)	E-217K	Premium Piston Ring Set	205-6285			(1)	260-1143	Gasket Kit
205-6219M			(6)	2555A	Connecting Rod Bearing Pair	(1)	E-356K	Premium Piston Ring Set	205-630		
(1)	E-384K	Premium Piston Ring Set	(1)	260-1005	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set
(4)	2500RAA	Connecting Rod Bearing Pair	205-6265M			(1)	260-1023	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	260-1563	Gasket Kit	(1)	E-217K	Premium Piston Ring Set	205-6285M			(1)	260-1000	Gasket Kit
(1)	6689MA	Main Bearing Set	(6)	2555A	Connecting Rod Bearing Pair	(1)	E-356K	Premium Piston Ring Set	205-630M		
205-622A			(1)	260-1005	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	4124MA	Main Bearing Set	(1)	260-1023	Gasket Kit	(1)	8-2555A	Connecting Rod Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	205-6266			(1)	4663MA	Main Bearing Set	(1)	260-1000	Gasket Kit
(1)	260-1033	Gasket Kit	(1)	E-217K	Premium Piston Ring Set	205-6286			(1)	4663MA	Main Bearing Set
205-622AM			(6)	2555A	Connecting Rod Bearing Pair	(1)	E-356K	Premium Piston Ring Set	205-6300		
(1)	E-251K	Premium Piston Ring Set	(1)	260-1044	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-605K	Premium Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	205-6266M			(1)	260-1024	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	260-1033	Gasket Kit	(1)	E-217K	Premium Piston Ring Set	205-6286M			(1)	260-1233	Gasket Kit
(1)	4999MA	Main Bearing Set	(6)	2555A	Connecting Rod Bearing Pair	(1)	E-356K	Premium Piston Ring Set	205-6300M		
205-622M			(1)	260-1044	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-605K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	4124MA	Main Bearing Set	(1)	260-1024	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set
(1)	8-2130CP	Connecting Rod Bearing Set	205-627A			(1)	4663MA	Main Bearing Set	(1)	260-1233	Gasket Kit
(1)	260-1033	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	205-629			(1)	7242MA	Main Bearing Set
(1)	4948MA	Main Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	205-6308		
205-624			(1)	260-1126	Gasket Kit	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	E-288K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	205-627AM			(1)	260-1122	Gasket Kit	(8)	3045A	Connecting Rod Bearing Pair
(1)	8-3400CP	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	205-629M			(1)	260-1124	Gasket Kit
(1)	260-1014	Gasket Kit	(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-251K	Premium Piston Ring Set	205-6308M		
205-624AM			(1)	260-1126	Gasket Kit	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	E-288K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	5078MA	Main Bearing Set	(1)	260-1122	Gasket Kit	(8)	3045A	Connecting Rod Bearing Pair
(1)	8-3400CP	Connecting Rod Bearing Set	205-627M			(1)	5092M	Main Bearing Set	(1)	260-1124	Gasket Kit
(1)	260-1014	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	205-6296			(1)	4281M	Main Bearing Set
(1)	5078MA	Main Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-432K	Premium Piston Ring Set	205-6309		
205-624M			(1)	260-1126	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-297K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	5107M	Main Bearing Set	(1)	260-1232	Gasket Kit	(8)	3045A	Connecting Rod Bearing Pair
(1)	8-3400CP	Connecting Rod Bearing Set	205-6279			205-6296M			(1)	260-1022	Gasket Kit
(1)	260-1014	Gasket Kit	(1)	E-530K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	205-6309M		
(1)	5107M	Main Bearing Set	(8)	2555A	Connecting Rod Bearing Pair	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-297K	Premium Piston Ring Set
205-625			(1)	260-1478	Gasket Kit	(1)	260-1232	Gasket Kit	(8)	3045A	Connecting Rod Bearing Pair
(1)	E-251K	Premium Piston Ring Set	205-6279M			(1)	7242MA	Main Bearing Set	(1)	260-1022	Gasket Kit
(1)	8-3380A	Connecting Rod Bearing Set	(1)	E-530K	Premium Piston Ring Set	205-6297			(1)	4281M	Main Bearing Set
(1)	260-1028	Gasket Kit	(8)	2555A	Connecting Rod Bearing Pair	(1)	E-478K	Premium Piston Ring Set	205-6310		
205-625M			(1)	260-1478	Gasket Kit	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-297K	Premium Piston Ring Set
(1)	E-251K	Premium Piston Ring Set	(1)	4663MA	Main Bearing Set	(1)	260-1233	Gasket Kit	(8)	3045A	Connecting Rod Bearing Pair
(1)	8-3380A	Connecting Rod Bearing Set	205-6282			205-6297M			(1)	260-1008	Gasket Kit
(1)	260-1028	Gasket Kit	(1)	E-243K	Premium Piston Ring Set	205-6297M			205-6309M		
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next column)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6310M			205-6324M (cont'd.)			205-6346M			205-6361 (cont'd.)		
(1)	E-297K	Premium Piston Ring Set	(1)	4-4475RA	Connecting Rod Bearing Set	(1)	E-550KC	Premium Piston Ring Set	(1)	4-67230CP	Connecting Rod Bearing Set
(8)	3045A	Connecting Rod Bearing Pair	(1)	260-1701	Gasket Kit	(1)	3-1140RA	Connecting Rod Bearing Set	(1)	260-1605	Gasket Kit
(1)	260-1008	Gasket Kit	(1)	6630M	Main Bearing Set	(1)	260-1637	Gasket Kit	205-6362		
(1)	4281M	Main Bearing Set	205-6325			(1)	6685M	Main Bearing Set	(1)	E-560KC	Premium Piston Ring Set
205-6318			(1)	E-516KC	Premium Piston Ring Set	205-6347			(1)	4-67230CP	Connecting Rod Bearing Set
(1)	E-613K	Premium Piston Ring Set	(1)	4-4475RA	Connecting Rod Bearing Set	(1)	E-549KC	Premium Piston Ring Set	(1)	260-1605	Gasket Kit
(6)	3055CP	Connecting Rod Bearing Pair	(1)	260-1194	Gasket Kit	(1)	3-1140RA	Connecting Rod Bearing Set	205-6365		
(1)	260-1652	Gasket Kit	205-6325M			(1)	260-1637	Gasket Kit	(1)	E-562KC	Premium Piston Ring Set
205-6318M			(1)	E-516KC	Premium Piston Ring Set	205-6347M			(1)	6-4385RA	Connecting Rod Bearing Set
(1)	E-613K	Premium Piston Ring Set	(1)	4-4475RA	Connecting Rod Bearing Set	(1)	E-549KC	Premium Piston Ring Set	(1)	260-1714	Gasket Kit
(6)	3055CP	Connecting Rod Bearing Pair	(1)	260-1194	Gasket Kit	(1)	3-1140RA	Connecting Rod Bearing Set	205-6365M		
(1)	260-1652	Gasket Kit	(1)	6630M	Main Bearing Set	(1)	260-1637	Gasket Kit	(1)	E-562KC	Premium Piston Ring Set
(1)	7245MA	Main Bearing Set	205-6328			(1)	6685M	Main Bearing Set	(1)	6-4385RA	Connecting Rod Bearing Set
205-632A			(1)	E-522KC	Premium Piston Ring Set	(1)	1063AF	Thrust Washer Set	(1)	260-1714	Gasket Kit
(1)	E-424K	Premium Piston Ring Set	(1)	4-3485CP	Connecting Rod Bearing Set	205-6348			(1)	7261M	Main Bearing Set
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	260-1704	Gasket Kit	(1)	E-550KC	Premium Piston Ring Set	(1)	3956BF	Thrust Washer Set
(1)	260-1001	Gasket Kit	205-6328M			(1)	3-1140RA	Connecting Rod Bearing Set	205-637		
205-632AM			(1)	E-522KC	Premium Piston Ring Set	(1)	260-1640	Gasket Kit	(1)	E-296K	Premium Piston Ring Set
(1)	E-424K	Premium Piston Ring Set	(1)	4-3485CP	Connecting Rod Bearing Set	205-6348M			(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	260-1704	Gasket Kit	(1)	E-550KC	Premium Piston Ring Set	(1)	260-1013	Gasket Kit
(1)	260-1001	Gasket Kit	(1)	5103M	Main Bearing Set	(1)	3-1140RA	Connecting Rod Bearing Set	205-637M		
(1)	5025MA	Main Bearing Set	205-6335			(1)	260-1640	Gasket Kit	(1)	E-296K	Premium Piston Ring Set
205-632M			(1)	E-524KC	Premium Piston Ring Set	(1)	6685M	Main Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	E-424K	Premium Piston Ring Set	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	1063AF	Thrust Washer Set	(1)	260-1013	Gasket Kit
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	260-1709	Gasket Kit	205-6349			(1)	4907M	Main Bearing Set
(1)	260-1001	Gasket Kit	205-6335M			(1)	E-549KC	Premium Piston Ring Set	205-6375		
(1)	4924MA	Main Bearing Set	(1)	E-524KC	Premium Piston Ring Set	(1)	3-1140RA	Connecting Rod Bearing Set	(1)	E-541KC	Premium Piston Ring Set
205-6320			(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1640	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set
(1)	E-475KC	Premium Piston Ring Set	(1)	260-1709	Gasket Kit	205-6349M			(1)	260-1703	Gasket Kit
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	5103M	Main Bearing Set	(1)	E-549KC	Premium Piston Ring Set	205-6375M		
(1)	260-1090	Gasket Kit	205-6339			(1)	3-1140RA	Connecting Rod Bearing Set	(1)	E-541KC	Premium Piston Ring Set
205-6320AM			(1)	E-471K	Premium Piston Ring Set	(1)	260-1640	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set
(1)	E-475KC	Premium Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	6685M	Main Bearing Set	(1)	260-1703	Gasket Kit
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	260-1612	Gasket Kit	(1)	1063AF	Thrust Washer Set	(1)	5103M	Main Bearing Set
(1)	260-1090	Gasket Kit	205-6339M			205-6350			205-640		
(1)	6631M	Main Bearing Set	(1)	E-471K	Premium Piston Ring Set	(1)	E-547KC 1.00MM	Premium Piston Ring Set	(1)	E-299K	Premium Piston Ring Set
(1)	3571BF	Thrust Washer Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-4455RA	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
205-6320M			(1)	260-1612	Gasket Kit	(1)	260-1638	Gasket Kit	(1)	260-1025	Gasket Kit
(1)	E-475KC	Premium Piston Ring Set	(1)	7086MA	Main Bearing Set	205-6352			205-640M		
(1)	4-3570CPB	Connecting Rod Bearing Set	205-634			(1)	E-539KC	Premium Piston Ring Set	(1)	E-299K	Premium Piston Ring Set
(1)	260-1090	Gasket Kit	(1)	E-288K	Premium Piston Ring Set	(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	5028M	Main Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	260-1643	Gasket Kit	(1)	260-1025	Gasket Kit
(1)	3571BF	Thrust Washer Set	(1)	260-1012	Gasket Kit	205-6352M			(1)	4040M	Main Bearing Set
205-6323			205-634M			(1)	E-539KC	Premium Piston Ring Set	205-6403		
(1)	E-516KC	Premium Piston Ring Set	(1)	E-288K	Premium Piston Ring Set	(1)	4-1490CPA	Connecting Rod Bearing Set	(1)	E-628K	Premium Piston Ring Set
(1)	4-3955RA	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	260-1643	Gasket Kit	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1701	Gasket Kit	(1)	260-1012	Gasket Kit	(1)	7108M	Main Bearing Set	(1)	260-1240	Gasket Kit
205-6323M			(1)	4418M	Main Bearing Set	205-6356			205-6403M		
(1)	E-516KC	Premium Piston Ring Set	205-6345M			(1)	E-534K	Premium Piston Ring Set	(1)	E-628K	Premium Piston Ring Set
(1)	4-3955RA	Connecting Rod Bearing Set	(1)	E-458K	Premium Piston Ring Set	(1)	8-3870RA	Connecting Rod Bearing Set	(1)	6-1020A	Connecting Rod Bearing Set
(1)	260-1701	Gasket Kit	(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1475	Gasket Kit	(1)	260-1240	Gasket Kit
(1)	6630M	Main Bearing Set	(1)	260-1559	Gasket Kit	205-6356M			(1)	5085MA	Main Bearing Set
205-6324			(1)	4125MA	Main Bearing Set	(1)	E-534K	Premium Piston Ring Set	205-6415		
(1)	E-516KC	Premium Piston Ring Set	205-6346			(1)	8-3870RA	Connecting Rod Bearing Set	(1)	E-532K	Premium Piston Ring Set
(1)	4-4475RA	Connecting Rod Bearing Set	(1)	E-550KC	Premium Piston Ring Set	(1)	260-1475	Gasket Kit	(1)	6-3760A	Connecting Rod Bearing Set
(1)	260-1701	Gasket Kit	(1)	3-1140RA	Connecting Rod Bearing Set	(1)	7256MA	Main Bearing Set	(1)	260-1566	Gasket Kit
205-6324M			(1)	260-1637	Gasket Kit	205-6361					
(1)	E-516KC	Premium Piston Ring Set				(1)	E-599KC	Premium Piston Ring Set			
(cont'd. next column)											

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6415M			205-651M			205-661M			205-6750A (cont'd.)		
(1)	E-532K	Premium Piston Ring Set	(1)	E-377K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set	(1)	4-4450P	Connecting Rod Bearing Set
(1)	6-3760A	Connecting Rod Bearing Set	(1)	8-2500RAA	Connecting Rod Bearing Set	(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1750	Gasket Kit
(1)	260-1566	Gasket Kit	(1)	260-1122	Gasket Kit	(1)	260-1009	Gasket Kit	205-6750AM		
(1)	7144MA	Main Bearing Set	(1)	5092M	Main Bearing Set	(1)	4400MA	Main Bearing Set	(1)	E-609KC	Premium Piston Ring Set
205-642			205-652			205-662			(1)	4-4450P	Connecting Rod Bearing Set
(1)	E-318K	Premium Piston Ring Set	(1)	E-351KC	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	260-1750	Gasket Kit
(1)	8-2320CP	Connecting Rod Bearing Set	(1)	6-3055CP	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	6622MA	Main Bearing Set
(1)	260-1001	Gasket Kit	(1)	260-1127	Gasket Kit	(1)	260-1000	Gasket Kit	205-676		
205-6420			205-653			205-662M			(1)	E-273K	Premium Piston Ring Set
(1)	E-556KC	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	8-2410CP	Connecting Rod Bearing Set
(1)	4-1825CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	8-2020CP	Connecting Rod Bearing Set	(1)	260-1050	Gasket Kit
(1)	260-1733	Gasket Kit	(1)	260-1125	Gasket Kit	(1)	260-1000	Gasket Kit	205-6779E		
205-6420M			205-653M			(1)	994M	Main Bearing Set	(1)	E-456KC	Premium Piston Ring Set
(1)	E-556KC	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	205-667			(1)	4-1025PA	Connecting Rod Bearing Set
(1)	4-1825CP	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-233K	Premium Piston Ring Set	(1)	260-1779	Gasket Kit
(1)	260-1733	Gasket Kit	(1)	260-1125	Gasket Kit	(1)	8-2320CP	Connecting Rod Bearing Set	205-6779EM		
(1)	7103M	Main Bearing Set	(1)	4125MA	Main Bearing Set	(1)	260-1001	Gasket Kit	(1)	E-456KC	Premium Piston Ring Set
205-6423			205-655			205-670			(1)	4-1025PA	Connecting Rod Bearing Set
(1)	E-556KC	Premium Piston Ring Set	(1)	E-318K	Premium Piston Ring Set	(1)	E-270K	Premium Piston Ring Set	(1)	260-1779	Gasket Kit
(1)	4-1825CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2410CP	Connecting Rod Bearing Set	(1)	6680MA	Main Bearing Set
(1)	260-1734	Gasket Kit	(1)	260-1043	Gasket Kit	(1)	260-1075	Gasket Kit	205-6784		
205-6423M			205-656			205-670M			(1)	E-558KC	Premium Piston Ring Set
(1)	E-556KC	Premium Piston Ring Set	(1)	E-424K	Premium Piston Ring Set	(1)	E-270K	Premium Piston Ring Set	(1)	6-1845CP	Connecting Rod Bearing Set
(1)	4-1825CP	Connecting Rod Bearing Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	8-2410CP	Connecting Rod Bearing Set	(1)	260-1784	Gasket Kit
(1)	260-1734	Gasket Kit	(1)	260-1043	Gasket Kit	(1)	260-1075	Gasket Kit	205-6784M		
(1)	7103M	Main Bearing Set	205-656M			(1)	4070M	Main Bearing Set	(1)	E-558KC	Premium Piston Ring Set
205-6432			(1)	E-424K	Premium Piston Ring Set	205-6704			(1)	6-1845CP	Connecting Rod Bearing Set
(1)	E-515KC	Premium Piston Ring Set	(1)	8-2320CP	Connecting Rod Bearing Set	(1)	E-742KC	Premium Piston Ring Set	(1)	260-1784	Gasket Kit
(1)	4-4470P	Connecting Rod Bearing Set	(1)	260-1043	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	7099M	Main Bearing Set
(1)	260-1485	Gasket Kit	(1)	5025MA	Main Bearing Set	(1)	260-1704	Gasket Kit	205-6785		
205-6432M			205-657			205-6704M			(1)	E-525KC	Premium Piston Ring Set
(1)	E-515KC	Premium Piston Ring Set	(1)	E-359KC	Premium Piston Ring Set	(1)	E-742KC	Premium Piston Ring Set	(1)	6-1845CP	Connecting Rod Bearing Set
(1)	4-4470P	Connecting Rod Bearing Set	(4)	3665P	Connecting Rod Bearing Pair	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1785	Gasket Kit
(1)	260-1485	Gasket Kit	(1)	260-1021	Gasket Kit	(1)	260-1704	Gasket Kit	205-6785M		
(1)	7102M	Main Bearing Set	205-658			(1)	5103M	Main Bearing Set	(1)	E-525KC	Premium Piston Ring Set
(1)	1826AF	Thrust Washer Set	(1)	E-251K	Premium Piston Ring Set	205-671			(1)	6-1845CP	Connecting Rod Bearing Set
205-646			(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-404K	Premium Piston Ring Set	(1)	260-1785	Gasket Kit
(1)	E-352K	Premium Piston Ring Set	(1)	260-1045	Gasket Kit	(1)	8-2410CP	Connecting Rod Bearing Set	(1)	7099M	Main Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	205-658M			(1)	260-1076	Gasket Kit	205-679		
(1)	260-1018	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	205-672			(1)	E-300K	Premium Piston Ring Set
205-646M			(1)	8-2555A	Connecting Rod Bearing Set	(1)	E-261K	Premium Piston Ring Set	(1)	8-1555CPA	Connecting Rod Bearing Set
(1)	E-352K	Premium Piston Ring Set	(1)	260-1045	Gasket Kit	(8)	3230CP	Connecting Rod Bearing Pair	(1)	260-1025	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	4663MA	Main Bearing Set	(1)	260-1035	Gasket Kit	205-681		
(1)	260-1018	Gasket Kit	205-660			205-673			(1)	E-418K	Premium Piston Ring Set
(1)	4979M	Main Bearing Set	(1)	E-233K	Premium Piston Ring Set	(1)	E-404K	Premium Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set
205-649			(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-2410CP	Connecting Rod Bearing Set	(1)	260-1093	Gasket Kit
(1)	E-358K	Premium Piston Ring Set	(1)	260-1046	Gasket Kit	(1)	260-1050	Gasket Kit	205-681M		
(1)	4-3665P	Connecting Rod Bearing Set	205-660M			205-674			(1)	E-418K	Premium Piston Ring Set
(1)	260-1021	Gasket Kit	(1)	E-233K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set
205-649M			(1)	8-3190A	Connecting Rod Bearing Set	(1)	8-3345P	Connecting Rod Bearing Set	(1)	260-1093	Gasket Kit
(1)	E-358K	Premium Piston Ring Set	(1)	260-1046	Gasket Kit	(1)	260-1008	Gasket Kit	(1)	6678MA	Main Bearing Set
(1)	4-3665P	Connecting Rod Bearing Set	(1)	4400MA	Main Bearing Set	205-675			205-6812		
(1)	260-1021	Gasket Kit	205-661			(1)	E-273K	Premium Piston Ring Set	(1)	E-515KC	Premium Piston Ring Set
(1)	5060M	Main Bearing Set	(1)	E-243K	Premium Piston Ring Set	(1)	8-2410CP	Connecting Rod Bearing Set	(1)	4-4190CP	Connecting Rod Bearing Set
205-651			(1)	8-3190A	Connecting Rod Bearing Set	(1)	260-1076	Gasket Kit	(1)	260-1812	Gasket Kit
(1)	E-377K	Premium Piston Ring Set	(1)	260-1009	Gasket Kit	205-6750A			205-6812M		
(1)	8-2500RAA	Connecting Rod Bearing Set	205-6750A (cont'd. next column)			(1)	E-609KC	Premium Piston Ring Set	(1)	E-515KC	Premium Piston Ring Set
(1)	260-1122	Gasket Kit							205-6812M (cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-6812M (cont'd.)			205-6878			205-6890M			205-713M		
(1)	4-4190CP	Connecting Rod Bearing Set	(1)	E-616KC	Premium Piston Ring Set	(1)	E-558KC	Premium Piston Ring Set	(1)	E-286K	Premium Piston Ring Set
(1)	260-1812	Gasket Kit	(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	6-4605P	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	7208M	Main Bearing Set	(1)	260-1767	Gasket Kit	(1)	260-1804	Gasket Kit	(1)	260-1121	Gasket Kit
205-683A			205-6878M			205-691			205-714		
(1)	E-251K	Premium Piston Ring Set	(1)	E-616KC	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1095	Gasket Kit	(1)	260-1767	Gasket Kit	(1)	260-1032	Gasket Kit	(1)	260-1128	Gasket Kit
205-683AM			205-6880			205-691M			205-715		
(1)	E-251K	Premium Piston Ring Set	(1)	E-542K	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	E-301K	Premium Piston Ring Set
(1)	8-2130CP	Connecting Rod Bearing Set	(1)	4-3975P	Connecting Rod Bearing Set	(1)	6-2500RAA	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set
(1)	260-1095	Gasket Kit	(1)	260-1766	Gasket Kit	(1)	260-1032	Gasket Kit	(1)	260-1151	Gasket Kit
(1)	4999MA	Main Bearing Set	205-6880M			205-6910			205-715M		
205-6858			(1)	E-542K	Premium Piston Ring Set	(1)	E-544KC	Premium Piston Ring Set	(1)	E-301K	Premium Piston Ring Set
(1)	4-4175CP	Connecting Rod Bearing Set	(1)	4-3975P	Connecting Rod Bearing Set	(1)	4-4210CP	Connecting Rod Bearing Set	(1)	8-3310CPA	Connecting Rod Bearing Set
(1)	260-1853	Gasket Kit	(1)	260-1766	Gasket Kit	(1)	260-1770	Gasket Kit	(1)	260-1151	Gasket Kit
205-6858M			(1)	6692M	Main Bearing Set	205-6910M			(1)	5037M	Main Bearing Set
(1)	E-615KC	Premium Piston Ring Set	205-6882			(1)	E-544KC	Premium Piston Ring Set	205-716		
(1)	4-4175CP	Connecting Rod Bearing Set	(1)	E-528KC	Premium Piston Ring Set	(1)	4-4210CP	Connecting Rod Bearing Set	(1)	E-222K	Premium Piston Ring Set
(1)	260-1853	Gasket Kit	(1)	6-1735CP	Connecting Rod Bearing Set	(1)	260-1770	Gasket Kit	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	7204M	Main Bearing Set	(1)	260-1839	Gasket Kit	(1)	7218M	Main Bearing Set	(1)	260-1134	Gasket Kit
205-686			205-6882M			205-692			205-716M		
(1)	E-232K	Premium Piston Ring Set	(1)	E-528KC	Premium Piston Ring Set	(1)	E-414K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set
(1)	8-3190A	Connecting Rod Bearing Set	(1)	6-1735CP	Connecting Rod Bearing Set	(1)	6-3750P	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set
(1)	260-1009	Gasket Kit	(1)	260-1839	Gasket Kit	(1)	260-1101	Gasket Kit	(1)	260-1134	Gasket Kit
205-686M			(1)	7090M	Main Bearing Set	205-692M			(1)	4289M	Main Bearing Set
(1)	E-232K	Premium Piston Ring Set	205-6883			(1)	E-414K	Premium Piston Ring Set	205-717A		
(1)	8-3190A	Connecting Rod Bearing Set	(1)	E-618KC	Premium Piston Ring Set	(1)	6-3750P	Connecting Rod Bearing Set	(1)	E-178K	Premium Piston Ring Set
(1)	260-1009	Gasket Kit	(1)	6-4915P	Connecting Rod Bearing Set	(1)	260-1101	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	4400MA	Main Bearing Set	(1)	260-1799	Gasket Kit	(1)	5085MA	Main Bearing Set	(1)	260-1153	Gasket Kit
205-6861			205-6883M			205-694			205-717AM		
(1)	E-542K	Premium Piston Ring Set	(1)	E-618KC	Premium Piston Ring Set	(1)	E-236K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set
(1)	4-3975P	Connecting Rod Bearing Set	(1)	6-4915P	Connecting Rod Bearing Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	260-1765	Gasket Kit	(1)	260-1799	Gasket Kit	(1)	260-1103	Gasket Kit	(1)	260-1153	Gasket Kit
205-6861M			(1)	7407M	Main Bearing Set	205-695			(1)	5024MA	Main Bearing Set
(1)	E-542K	Premium Piston Ring Set	205-6885			(1)	E-378K	Premium Piston Ring Set	205-717M		
(1)	4-3975P	Connecting Rod Bearing Set	(1)	E-559KC	Premium Piston Ring Set	(1)	8-3045A	Connecting Rod Bearing Set	(1)	E-178K	Premium Piston Ring Set
(1)	260-1765	Gasket Kit	(1)	4-4460P	Connecting Rod Bearing Set	(1)	260-1104	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	6692M	Main Bearing Set	(1)	260-1754	Gasket Kit	205-695M			(1)	260-1153	Gasket Kit
205-6874			(1)	7285M	Main Bearing Set	(1)	E-378K	Premium Piston Ring Set	(1)	4923MA	Main Bearing Set
(1)	E-646KC	Premium Piston Ring Set	205-6885M			(1)	8-3045A	Connecting Rod Bearing Set	205-718		
(1)	4-1495CP	Connecting Rod Bearing Set	(1)	E-559KC	Premium Piston Ring Set	(1)	260-1104	Gasket Kit	(1)	E-178K	Premium Piston Ring Set
(1)	260-1760	Gasket Kit	(1)	4-4460P	Connecting Rod Bearing Set	(1)	4281M	Main Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
205-6874M			(1)	260-1795	Gasket Kit	205-699			205-718AM		
(1)	E-646KC	Premium Piston Ring Set	205-6886			(1)	E-411K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set
(1)	4-1495CP	Connecting Rod Bearing Set	(1)	E-559KC	Premium Piston Ring Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	260-1760	Gasket Kit	(1)	4-4460P	Connecting Rod Bearing Set	(1)	260-1123	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	7324M	Main Bearing Set	(1)	260-1795	Gasket Kit	205-699M			(1)	5095MA	Main Bearing Set
205-6875			205-6886M			(1)	E-411K	Premium Piston Ring Set	205-718M		
(1)	E-617K	Premium Piston Ring Set	(1)	E-559KC	Premium Piston Ring Set	(1)	6-4020A	Connecting Rod Bearing Set	(1)	E-178K	Premium Piston Ring Set
(1)	4-4595P	Connecting Rod Bearing Set	(1)	4-4460P	Connecting Rod Bearing Set	(1)	260-1123	Gasket Kit	(1)	8-2130CP	Connecting Rod Bearing Set
(1)	260-1768	Gasket Kit	(1)	260-1795	Gasket Kit	(1)	5090MA	Main Bearing Set	(1)	260-1152	Gasket Kit
205-6875M			(1)	7285M	Main Bearing Set	205-713			(1)	5024MA	Main Bearing Set
(1)	E-617K	Premium Piston Ring Set	205-6890			(1)	E-286K	Premium Piston Ring Set	205-720		
(1)	4-4595P	Connecting Rod Bearing Set	(1)	E-558KC	Premium Piston Ring Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	E-427K	Premium Piston Ring Set
(1)	260-1768	Gasket Kit	(1)	6-4605P	Connecting Rod Bearing Set	(1)	260-1121	Gasket Kit	(1)	4-3665P	Connecting Rod Bearing Set
(1)	7320M	Main Bearing Set	(1)	260-1804	Gasket Kit				(1)	260-1021	Gasket Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-720M			205-739M			205-752			205-761M		
(1)	E-427K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set	(1)	E-352K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	4-3665P	Connecting Rod Bearing Set	(1)	6-2020CP	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set
(1)	260-1021	Gasket Kit	(1)	260-1129	Gasket Kit	(1)	260-1161	Gasket Kit	(1)	260-1170	Gasket Kit
(1)	5060M	Main Bearing Set	(1)	4124MA	Main Bearing Set	205-752M			(1)	5078MA	Main Bearing Set
205-724			205-743			(1)	E-352K	Premium Piston Ring Set	205-763		
(1)	E-369K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-352K	Premium Piston Ring Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	260-1161	Gasket Kit	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1149	Gasket Kit	(1)	260-1121	Gasket Kit	(1)	4979M	Main Bearing Set	(1)	260-1172	Gasket Kit
205-724M			205-743M			205-753			205-763M		
(1)	E-369K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set	(1)	E-352K	Premium Piston Ring Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1149	Gasket Kit	(1)	260-1121	Gasket Kit	(1)	260-1162	Gasket Kit	(1)	260-1172	Gasket Kit
(1)	7144MA	Main Bearing Set	(1)	5024MA	Main Bearing Set	205-753M			(1)	4979M	Main Bearing Set
205-725			205-744A			(1)	E-442KC	Premium Piston Ring Set	205-765		
(1)	E-369K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-229K	Premium Piston Ring Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(1)	260-1162	Gasket Kit	(1)	6-3150CPA	Connecting Rod Bearing Set
(1)	260-1138	Gasket Kit	(1)	260-1154	Gasket Kit	(1)	4979M	Main Bearing Set	(1)	260-1174	Gasket Kit
205-725M			205-744AM			205-754			205-765M		
(1)	E-369K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	E-441K	Premium Piston Ring Set	(1)	E-229K	Premium Piston Ring Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	8-2130CP	Connecting Rod Bearing Set	(4)	3545A	Connecting Rod Bearing Pair	(1)	6-3150CPA	Connecting Rod Bearing Set
(1)	260-1138	Gasket Kit	(1)	260-1154	Gasket Kit	(1)	260-1162	Gasket Kit	(1)	260-1174	Gasket Kit
(1)	7144MA	Main Bearing Set	(1)	5024MA	Main Bearing Set	205-754M			(1)	4916M	Main Bearing Set
205-727A			205-745			(1)	E-441K	Premium Piston Ring Set	205-768		
(1)	E-432K	Premium Piston Ring Set	(1)	E-425KC 1.00MM	Premium Piston Ring Set	(4)	3545A	Connecting Rod Bearing Pair	(1)	E-296K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	260-1162	Gasket Kit	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1143	Gasket Kit	(1)	260-1155	Gasket Kit	(1)	4979M	Main Bearing Set	(1)	260-1177	Gasket Kit
205-727AM			205-745M			205-757			205-768M		
(1)	E-432K	Premium Piston Ring Set	(1)	E-425KC 1.00MM	Premium Piston Ring Set	(1)	E-415K	Premium Piston Ring Set	(1)	E-296K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	8-3360CPA	Connecting Rod Bearing Set
(1)	260-1143	Gasket Kit	(1)	260-1155	Gasket Kit	(1)	260-1166	Gasket Kit	(1)	260-1177	Gasket Kit
(1)	7242MA	Main Bearing Set	(1)	6618M	Main Bearing Set	205-757M			(1)	4907M	Main Bearing Set
205-727M			205-746			(1)	E-415K	Premium Piston Ring Set	205-769A		
(1)	E-432K	Premium Piston Ring Set	(1)	E-425KC 1.00MM	Premium Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	E-384K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	260-1166	Gasket Kit	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1143	Gasket Kit	(1)	260-1156	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	260-1178	Gasket Kit
(1)	5090MA	Main Bearing Set	205-746M			205-758			205-769AM		
205-728A			(1)	E-425KC 1.00MM	Premium Piston Ring Set	(1)	E-415K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	E-432K	Premium Piston Ring Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1156	Gasket Kit	(1)	260-1167	Gasket Kit	(1)	260-1178	Gasket Kit
(1)	260-1144	Gasket Kit	(1)	6618M	Main Bearing Set	205-758M			(1)	6689MA	Main Bearing Set
205-728AM			205-747			(1)	E-415K	Premium Piston Ring Set	205-770		
(1)	E-432K	Premium Piston Ring Set	(1)	E-439KC	Premium Piston Ring Set	(1)	6-3830CPA	Connecting Rod Bearing Set	(1)	E-384K	Premium Piston Ring Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	260-1167	Gasket Kit	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	260-1144	Gasket Kit	(1)	260-1156	Gasket Kit	(1)	7295MA	Main Bearing Set	(1)	260-1179	Gasket Kit
(1)	7242MA	Main Bearing Set	205-747M			205-760			205-770M		
205-728M			(1)	E-439KC	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-384K	Premium Piston Ring Set
(1)	E-432K	Premium Piston Ring Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	4-2500RAA	Connecting Rod Bearing Set
(1)	6-4020A	Connecting Rod Bearing Set	(1)	260-1156	Gasket Kit	(1)	260-1169	Gasket Kit	(1)	260-1179	Gasket Kit
(1)	260-1144	Gasket Kit	(1)	6618M	Main Bearing Set	205-760M			(1)	6690MA	Main Bearing Set
(1)	5090MA	Main Bearing Set	205-750			(1)	E-251K	Premium Piston Ring Set	205-771		
205-738			(1)	E-439KC	Premium Piston Ring Set	(1)	8-2600A	Connecting Rod Bearing Set	(1)	E-429K	Premium Piston Ring Set
(1)	E-289K	Premium Piston Ring Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	260-1169	Gasket Kit	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	8-3320CP	Connecting Rod Bearing Set	(1)	260-1155	Gasket Kit	(1)	4125MA	Main Bearing Set	(1)	260-1180	Gasket Kit
(1)	260-1150	Gasket Kit	205-750M			205-761			205-771M		
205-739			(1)	E-439KC	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-429K	Premium Piston Ring Set
(1)	E-234K	Premium Piston Ring Set	(1)	4-66675P	Connecting Rod Bearing Set	(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-2020CP	Connecting Rod Bearing Set
(1)	6-2020CP	Connecting Rod Bearing Set	(1)	260-1155	Gasket Kit	(1)	260-1170	Gasket Kit	(1)	260-1180	Gasket Kit
(1)	260-1129	Gasket Kit	(1)	6618M	Main Bearing Set				(1)	5138MA	Main Bearing Set

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-772			205-854 (cont'd.)			205-868M			205-878		
(1)	E-369K	Premium Piston Ring Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	E-453K	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	260-1188	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1181	Gasket Kit	205-854M			(1)	260-1276	Gasket Kit	(1)	260-1206	Gasket Kit
205-773						(1)	6678MA	Main Bearing Set	205-878M		
			(1)	E-416KC	Premium Piston Ring Set	(1)	205-869	Premium Piston Ring Set			
(1)	E-369K	Premium Piston Ring Set	(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	E-454K	Premium Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	6-3755A	Connecting Rod Bearing Set	(1)	260-1188	Gasket Kit	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1206	Gasket Kit
(1)	260-1182	Gasket Kit	(1)	7148M	Main Bearing Set	(1)	260-1093	Gasket Kit	(1)	4979M	Main Bearing Set
205-774A			205-856			205-869M			205-879		
(1)	E-251K	Premium Piston Ring Set	(1)	E-409KC	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-441K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-4005P	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1189	Gasket Kit	(1)	260-1186	Gasket Kit	(1)	260-1093	Gasket Kit	(1)	260-1206	Gasket Kit
205-774AM			205-856M			(1)	6678MA	Main Bearing Set	205-879M		
						205-870					
(1)	E-251K	Premium Piston Ring Set	(1)	E-409KC	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set	(1)	E-441K	Premium Piston Ring Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-4005P	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	260-1189	Gasket Kit	(1)	260-1186	Gasket Kit	(1)	260-1200	Gasket Kit	(1)	260-1206	Gasket Kit
(1)	5078MA	Main Bearing Set	(1)	5027M	Main Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4979M	Main Bearing Set
(1)	5078MA	Main Bearing Set	(1)	3567AF	Thrust Washer Set	205-870M			205-880		
205-774M			205-858								
(1)	E-251K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	4-3545A	Connecting Rod Bearing Set
(1)	8-3380A	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	260-1200	Gasket Kit	(1)	260-1162	Gasket Kit
(1)	260-1189	Gasket Kit	(1)	260-1191	Gasket Kit	(1)	6678MA	Main Bearing Set	205-880M		
(1)	5107M	Main Bearing Set	(1)	E-450K	Premium Piston Ring Set	205-871					
205-805			205-858M			(1)	E-439KC	Premium Piston Ring Set	(1)	4-3545A	Connecting Rod Bearing Set
						(1)	4-66675P	Connecting Rod Bearing Set	(1)	260-1162	Gasket Kit
(1)	E-360KC	Premium Piston Ring Set	(1)	4-3310CPA	Connecting Rod Bearing Set	(1)	260-1201	Gasket Kit	(1)	4979M	Main Bearing Set
(1)	4-67275CP	Connecting Rod Bearing Set	(1)	6676M	Main Bearing Set	205-871M			205-882		
(1)	260-1062	Gasket Kit	205-859								
205-812			205-859			(1)	4-66675P	Connecting Rod Bearing Set	(1)	4-2380CP	Connecting Rod Bearing Set
						(1)	260-1201	Gasket Kit	(1)	260-1208	Gasket Kit
(1)	E-360KC	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set	(1)	6618M	Main Bearing Set	205-882M		
(1)	4-67230CP	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set	205-874					
(1)	260-1060	Gasket Kit	(1)	260-1192	Gasket Kit	(1)	E-452KC	Premium Piston Ring Set	(1)	4-2380CP	Connecting Rod Bearing Set
205-829			205-859M			(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1208	Gasket Kit
						(1)	260-1199	Gasket Kit	(1)	5130M	Main Bearing Set
(1)	E-357KC	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set	205-874M			205-883		
(1)	4-3570CPB	Connecting Rod Bearing Set	(1)	4-3310CPA	Connecting Rod Bearing Set						
(1)	260-1090	Gasket Kit	(1)	260-1192	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	4-1035CP	Connecting Rod Bearing Set
205-830			205-860			(1)	260-1199	Gasket Kit	(1)	260-1208	Gasket Kit
						(1)	5103M	Main Bearing Set	205-883M		
(1)	E-416KC	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	205-875					
(1)	4-3960CPA	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set	(1)	E-455KC	Premium Piston Ring Set	(1)	4-1035CP	Connecting Rod Bearing Set
(1)	260-1091	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	260-1208	Gasket Kit
205-838			205-860M			(1)	260-1199	Gasket Kit	(1)	5130M	Main Bearing Set
						205-875			(1)	260-1199	Gasket Kit
(1)	E-409KC	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	205-875M			205-886		
(1)	4-4005P	Connecting Rod Bearing Set	(1)	6-3310CPA	Connecting Rod Bearing Set						
(1)	260-1112	Gasket Kit	(1)	260-1193	Gasket Kit	(1)	4-3485CP	Connecting Rod Bearing Set	(1)	6-3830CPA	Connecting Rod Bearing Set
(1)	5027M	Main Bearing Set	(1)	4289M	Main Bearing Set	(1)	260-1199	Gasket Kit	(1)	260-1211	Gasket Kit
(1)	3567AF	Thrust Washer Set	(1)	260-1194	Gasket Kit	205-876			205-886M		
205-843			205-861M								
			(1)	E-370KC .50MM	Premium Piston Ring Set	(1)	E-370KC .50MM	Premium Piston Ring Set	(1)	4-3805A	Connecting Rod Bearing Set
(1)	E-360KC	Premium Piston Ring Set	(1)	4-3955RA	Connecting Rod Bearing Set	(1)	260-1199	Gasket Kit	(1)	260-1211	Gasket Kit
(1)	4-67230CP	Connecting Rod Bearing Set	(1)	260-1194	Gasket Kit	(1)	5103M	Main Bearing Set	(1)	7295MA	Main Bearing Set
(1)	260-1159	Gasket Kit	(1)	6630M	Main Bearing Set	205-876M			205-888		
205-852			205-868								
			(1)	E-436KC	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set	(1)	4-3805A	Connecting Rod Bearing Set
(1)	4-67275CP	Connecting Rod Bearing Set	(1)	4-3800CPA	Connecting Rod Bearing Set	(1)	260-1205	Gasket Kit	(1)	260-1213A	Gasket Kit
(1)	260-1062	Gasket Kit	(1)	260-1276	Gasket Kit	(1)	6695MA	Main Bearing Set			
205-854											
(1)	E-416KC	Premium Piston Ring Set (cont'd. next column)									

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
205-888M			505-1007A			505-1019A (cont'd.)			505-1026C (cont'd.)		
(1)	E-251K	Premium Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	260-1239	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	8-2600A	Connecting Rod Bearing Set	(1)	260-1228	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	KC-793	Cam & Lifter Kit
(1)	260-1213A	Gasket Kit	(1)	1461M	Camshaft Bearing Set	(1)	KC-756	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.
(1)	4125MA	Main Bearing Set	(1)	KC-782	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
205-890			(1)	221-2542LS	Timing Gear Set	(1)	224-4146	Oil Pump	(8)	536NP	Cast Piston
(1)	E-248K	Premium Piston Ring Set	(1)	224-41239	Oil Pump	(6)	640P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(8)	3230CP	Connecting Rod Bearing Pair	(4)	H547P	Cast Piston	(1)	381-8049	Brass Expansion Plug Kit	505-1026E		
(1)	260-1035	Gasket Kit	(1)	381-8074	Brass Expansion Plug Kit	505-102A			(1)	E-356X	Standard Piston Ring Set
205-891			505-1008A			(1)	E-196X	Standard Piston Ring Set	(1)	260-1246	Gasket Kit
(1)	E-476K	Premium Piston Ring Set	(1)	E-384X	Standard Piston Ring Set	(1)	260-1004	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	4-3545A	Connecting Rod Bearing Set	(1)	260-1229	Gasket Kit	(1)	1454M	Camshaft Bearing Set	(1)	KC-711	Cam & Lifter Kit
(1)	260-1214	Gasket Kit	(1)	1756M	Camshaft Bearing Set	(1)	KC-380	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.
205-891M			(1)	KC-781	Cam & Lifter Kit	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	E-476K	Premium Piston Ring Set	(1)	221-2544S	Timing Gear Set	(1)	224-4165C	Oil Pump	(8)	536NP	Cast Piston
(1)	4-3545A	Connecting Rod Bearing Set	(1)	224-41239	Oil Pump	(6)	244NP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	260-1214	Gasket Kit	(4)	H547P	Cast Piston	(1)	381-8012	Brass Expansion Plug Kit	505-1027A		
205-891M			(1)	381-8074	Brass Expansion Plug Kit	505-1020A			(1)	E-356X	Standard Piston Ring Set
(1)	E-476K	Premium Piston Ring Set	505-1009A			(1)	E-459X	Standard Piston Ring Set	(1)	260-1247	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-450X	Standard Piston Ring Set	(1)	260-1240	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	260-1214	Gasket Kit	(1)	260-1230	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	KC-793	Cam & Lifter Kit
(1)	4979M	Main Bearing Set	(1)	1202M	Camshaft Bearing Set	(1)	KC-756	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.
205-896			(1)	KC-708A	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	E-442KC	Premium Piston Ring Set	(1)	221-2525S	Timing Gear Set	(1)	224-4146	Oil Pump	(8)	536NP	Cast Piston
(1)	4-3545A	Connecting Rod Bearing Set	(1)	224-4147	Oil Pump	(6)	640P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	260-1218	Gasket Kit	(4)	1108P	Cast Piston	(1)	381-8058	Brass Expansion Plug Kit	505-1027C		
205-896M			(1)	381-8006	Brass Expansion Plug Kit	505-1021A			(1)	E-356X	Standard Piston Ring Set
(1)	E-442KC	Premium Piston Ring Set	505-1010A			(1)	E-459X	Standard Piston Ring Set	(1)	260-1247	Gasket Kit
(1)	4-3545A	Connecting Rod Bearing Set	(1)	E-450X	Standard Piston Ring Set	(1)	260-1241	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	260-1218	Gasket Kit	(1)	260-1231	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	KC-808	Cam & Lifter Kit
(1)	4979M	Main Bearing Set	(1)	1202M	Camshaft Bearing Set	(1)	KC-783	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.
205-897			(1)	KC-708A	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	E-351KC	Premium Piston Ring Set	(1)	221-2525S	Timing Gear Set	(1)	224-4146	Oil Pump	(8)	536NP	Cast Piston
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	224-4147	Oil Pump	(6)	640P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	260-1219	Gasket Kit	(4)	1108P	Cast Piston	(1)	381-8058	Brass Expansion Plug Kit	505-103C		
205-897M			(1)	381-8006	Brass Expansion Plug Kit	505-1023A			(1)	E-196X	Standard Piston Ring Set
(1)	E-351KC	Premium Piston Ring Set	505-1011A			(1)	E-356X	Standard Piston Ring Set	(1)	260-1004	Gasket Kit
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	E-432X	Standard Piston Ring Set	(1)	260-1244	Gasket Kit	(1)	1473M	Camshaft Bearing Set
(1)	260-1219	Gasket Kit	(1)	260-1232	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-380	Cam & Lifter Kit
205-898			(1)	1492M	Camshaft Bearing Set	(1)	KC-766	Cam & Lifter Kit	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	E-481K	Premium Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4165C	Oil Pump
(1)	6-3055CP	Connecting Rod Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(6)	244NP	Cast Piston
(1)	260-1220	Gasket Kit	(1)	224-4148	Oil Pump	(8)	534NP	Cast Piston	(1)	381-8012	Brass Expansion Plug Kit
205-898M			(6)	516P	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	505-1036A		
(1)	E-481K	Premium Piston Ring Set	(1)	381-8046	Brass Expansion Plug Kit	505-1024C			(1)	E-217X	Standard Piston Ring Set
(1)	6-3055CP	Connecting Rod Bearing Set	505-1011C			(1)	E-356X	Standard Piston Ring Set	(1)	260-1267	Gasket Kit
(1)	260-1220	Gasket Kit	(1)	E-432X	Standard Piston Ring Set	(1)	260-1243	Gasket Kit	(1)	1557M	Camshaft Bearing Set
(1)	6101MA	Main Bearing Set	(1)	260-1232	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-551	Cam & Lifter Kit
505-1002A			(1)	1492M	Camshaft Bearing Set	(1)	KC-766	Cam & Lifter Kit	(1)	221-2528S	Timing Gear Set
(1)	E-458X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4147	Oil Pump
(1)	260-1169	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(6)	H909P	Cast Piston
(1)	1204M	Camshaft Bearing Set	(1)	224-4152	Oil Pump	(8)	534NP	Cast Piston	(1)	381-8006	Brass Expansion Plug Kit
(1)	KC-668	Cam & Lifter Kit	(6)	516P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit	505-1037A		
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8046	Brass Expansion Plug Kit	505-1024D			(1)	E-251X	Standard Piston Ring Set
(1)	224-41118	Oil Pump	505-1012A			(1)	E-356X	Standard Piston Ring Set	(1)	260-1268	Gasket Kit
(8)	517CP	Cast Piston	(1)	E-478X	Standard Piston Ring Set	(1)	260-1243	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1233	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
505-1003A			(1)	1492M	Camshaft Bearing Set	(1)	KC-711	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	E-296X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	260-1223	Gasket Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(8)	423NP	Cast Piston
(1)	1414M	Camshaft Bearing Set	(1)	224-4148	Oil Pump	(8)	534NP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	KC-648	Cam & Lifter Kit	(6)	531P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit	505-1037C		
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8046	Brass Expansion Plug Kit	505-1026A			(1)	E-251X	Standard Piston Ring Set
(1)	224-41144	Oil Pump	505-1015E			(1)	E-356X	Standard Piston Ring Set	(1)	260-1268	Gasket Kit
(8)	H418P	Cast Piston	(1)	E-369X	Standard Piston Ring Set	(1)	260-1246	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1236	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
505-1007A			(1)	1755M	Camshaft Bearing Set	(1)	KC-766	Cam & Lifter Kit	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	E-384X	Standard Piston Ring Set	(1)	KC-836	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	260-1228	Gasket Kit	(1)	KT3-359SA2	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(8)	423NP	Cast Piston
(1)	1461M	Camshaft Bearing Set	(1)	224-51379	Oil Pump Repair Kit	(8)	536NP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	KC-782	Cam & Lifter Kit	(6)	450NP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit	505-104A		
(1)	221-2542LS	Timing Gear Set	(1)	381-8073	Brass Expansion Plug Kit	505-1026C			(1)	E-196X	Standard Piston Ring Set
(1)	224-41239	Oil Pump	505-1019A			(1)	E-356X	Standard Piston Ring Set	(1)	260-1038	Gasket Kit
(1)	224-41239	Oil Pump	(1)	E-459X	Standard Piston Ring Set	(1)	260-1246	Gasket Kit	(1)	1473M	Camshaft Bearing Set
(4)	H547P	Cast Piston	(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		
(1)	381-8074	Brass Expansion Plug Kit									

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-104A (cont'd.)			505-1092A (cont'd.)			505-1107A			505-1114B (cont'd.)		
(1)	KC-709	Cam & Lifter Kit	(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	E-465X	Standard Piston Ring Set	(1)	1886M	Camshaft Bearing Set
(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	224-41198	Oil Pump	(1)	260-1437	Gasket Kit	(1)	KC-860	Cam & Lifter Kit
(2)	224-4165C	Oil Pump	(6)	677P	Cast Piston	(1)	1494M	Camshaft Bearing Set	(1)	KT3-365SA1	Timing Set - 3 Pc.
(6)	244NP	Cast Piston	505-1093A			(1)	KC-788	Cam & Lifter Kit	(1)	224-51380	Oil Pump Repair Kit
(1)	381-8012	Brass Expansion Plug Kit	(1)	E-454X	Standard Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.	(6)	H523P	Cast Piston
505-106A			(1)	260-1425	Gasket Kit	(1)	224-41100	Oil Pump	(1)	381-8053	Brass Expansion Plug Kit
(1)	E-217X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	505-1110B			505-1114C		
(1)	260-1005	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-446X	Standard Piston Ring Set	(1)	E-471X	Standard Piston Ring Set
(1)	1203M	Camshaft Bearing Set	(1)	222-153	Timing Belt	(1)	260-1210	Gasket Kit	(1)	260-1444	Gasket Kit
(1)	KC-551	Cam & Lifter Kit	(1)	224-4168	Oil Pump	(1)	1843M	Camshaft Bearing Set	(1)	1886M	Camshaft Bearing Set
(1)	221-2528S	Timing Gear Set	(4)	527P	Cast Piston	(1)	KC-787	Cam & Lifter Kit	(1)	KC-860	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	KT3-365SA1	Timing Set - 3 Pc.
(6)	H909P	Cast Piston	505-1093C			(1)	224-41101	Oil Pump	(1)	224-43567	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-454X	Standard Piston Ring Set	(6)	H497P	Cast Piston	(6)	H523P	Cast Piston
505-106C			(1)	260-1425	Gasket Kit	(1)	381-8072	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit
(1)	E-217X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	505-1111A			505-1115A		
(1)	260-1005	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-471X	Standard Piston Ring Set	(1)	E-458X	Standard Piston Ring Set
(1)	1557M	Camshaft Bearing Set	(1)	222-153	Timing Belt	(1)	260-1441	Gasket Kit	(1)	260-1445	Gasket Kit
(1)	KC-551	Cam & Lifter Kit	(1)	224-4168	Oil Pump	(1)	1886M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	221-2528S	Timing Gear Set	(4)	571CP	Cast Piston	(1)	KC-786	Cam & Lifter Kit	(1)	KC-760	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(6)	H909P	Cast Piston	505-1097A			(1)	224-51380	Oil Pump Repair Kit	(1)	224-41118	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-454X	Standard Piston Ring Set	(6)	H523P	Cast Piston	(8)	H606P	Cast Piston
505-107A			(1)	260-1427	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	E-217X	Standard Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	505-1111C			505-1116A		
(1)	260-1044	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-471X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	1557M	Camshaft Bearing Set	(1)	222-132	Timing Belt	(1)	260-1441	Gasket Kit	(1)	260-1446	Gasket Kit
(1)	KC-551	Cam & Lifter Kit	(1)	224-4168	Oil Pump	(1)	1886M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	221-2528S	Timing Gear Set	(4)	533P	Cast Piston	(1)	KC-786	Cam & Lifter Kit	(1)	KC-764	Cam & Lifter Kit
(1)	224-4147	Oil Pump	(1)	381-8050	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(6)	H909P	Cast Piston	505-1098A			(1)	224-43567	Oil Pump	(1)	224-41143	Oil Pump
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-536X	Standard Piston Ring Set	(6)	H523P	Cast Piston	(8)	463P	Cast Piston
505-108A			(1)	260-1428	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	E-219X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	505-1112B			505-112C		
(1)	260-1002	Gasket Kit	(1)	KC-842	Cam & Lifter Kit	(1)	E-471X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set
(1)	1439M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1442	Gasket Kit	(1)	260-1006	Gasket Kit
(1)	KC-448	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	1886M	Camshaft Bearing Set	(1)	1450M	Camshaft Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(6)	656P	Cast Piston	(1)	KC-860	Cam & Lifter Kit	(1)	KC-1230	Cam & Lifter Kit
(1)	224-41146	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	221-2750LS	Timing Gear Set
(6)	275NP	Cast Piston	505-1098C			(1)	224-51380	Oil Pump Repair Kit	(1)	224-41124	Oil Pump
(1)	381-8013	Brass Expansion Plug Kit	(1)	E-536X	Standard Piston Ring Set	(6)	H523P	Cast Piston	(6)	352NP	Cast Piston
505-108D			(1)	260-1428	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8014	Brass Expansion Plug Kit
(1)	E-219X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	505-1112C			505-112D		
(1)	260-1002	Gasket Kit	(1)	KC-829	Cam & Lifter Kit	(1)	E-471X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set
(1)	1439M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1442	Gasket Kit	(1)	260-1006	Gasket Kit
(1)	KC-658	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	1886M	Camshaft Bearing Set	(1)	1450M	Camshaft Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(6)	656P	Cast Piston	(1)	KC-860	Cam & Lifter Kit	(1)	KC-1230	Cam & Lifter Kit
(1)	224-41146	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	221-2750LS	Timing Gear Set
(6)	275NP	Cast Piston	505-1099C			(1)	224-43567	Oil Pump	(1)	224-41124	Oil Pump
(1)	381-8013	Brass Expansion Plug Kit	(1)	E-536X	Standard Piston Ring Set	(6)	H523P	Cast Piston	(6)	1109P	Cast Piston
505-108E			(1)	260-1428	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8014	Brass Expansion Plug Kit
(1)	E-219X	Standard Piston Ring Set	(1)	1790M	Camshaft Bearing Set	505-1113B			505-112E		
(1)	260-1002	Gasket Kit	(1)	KC-829	Cam & Lifter Kit	(1)	E-471X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set
(1)	1439M	Camshaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	260-1443	Gasket Kit	(1)	260-1006	Gasket Kit
(1)	KC-658	Cam & Lifter Kit	(1)	224-4166	Oil Pump	(1)	1886M	Camshaft Bearing Set	(1)	1450M	Camshaft Bearing Set
(1)	KT3-351S	Timing Set - 3 Pc.	(6)	656P	Cast Piston	(1)	KC-786	Cam & Lifter Kit	(1)	KC-1230	Cam & Lifter Kit
(1)	224-41146	Oil Pump	(1)	381-8061	Brass Expansion Plug Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	221-2764S	Timing Gear Set
(6)	275NP	Cast Piston	505-1103C			(1)	224-51380	Oil Pump Repair Kit	(1)	224-41124	Oil Pump
(1)	381-8013	Brass Expansion Plug Kit	(1)	E-470X	Standard Piston Ring Set	(6)	H523P	Cast Piston	(6)	H519P	Cast Piston
505-108G			(1)	260-1205	Gasket Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8014	Brass Expansion Plug Kit
(1)	E-229X	Standard Piston Ring Set	(1)	KC-790	Cam & Lifter Kit	505-1113C			505-112A		
(1)	260-1420	Gasket Kit	(1)	222-67	Timing Belt	(1)	E-471X	Standard Piston Ring Set	(1)	E-446X	Standard Piston Ring Set
(1)	1781M	Camshaft Bearing Set	(1)	224-41972	Oil Pump	(1)	260-1443	Gasket Kit	(1)	260-1222	Gasket Kit
(1)	KC-1230	Cam & Lifter Kit	(4)	H529P	Cast Piston	(1)	1886M	Camshaft Bearing Set	(1)	1843M	Camshaft Bearing Set
(1)	221-2764S	Timing Gear Set	505-1106A			(1)	KC-786	Cam & Lifter Kit	(1)	KC-787	Cam & Lifter Kit
(1)	224-41124	Oil Pump	(1)	E-465X	Standard Piston Ring Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	KT3-374S	Timing Set - 3 Pc.
(6)	H519P	Cast Piston	(1)	260-1436	Gasket Kit	(1)	224-43567	Oil Pump	(1)	224-41101	Oil Pump
(1)	381-8071	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set	(6)	H523P	Cast Piston	(6)	H497P	Cast Piston
505-1092A			(1)	KC-788	Cam & Lifter Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8072	Brass Expansion Plug Kit
(1)	E-234X	Standard Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.	505-1114B			505-1121A		
(1)	260-1424	Gasket Kit	(1)	224-41100	Oil Pump	(1)	E-471X	Standard Piston Ring Set	(1)	E-458X	Standard Piston Ring Set
(1)	1244M	Camshaft Bearing Set	(4)	489P	Cast Piston	(1)	260-1444	Gasket Kit	(1)	260-1451	Gasket Kit
(1)	KC-809	Cam & Lifter Kit	(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description			
505-1121A (cont'd.)			505-1135A (cont'd.)			505-1148A			505-1156C (cont'd.)					
(1)	KC-668	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	E-288X	Standard Piston Ring Set	(1)	260-1269	Gasket Kit			
(1)	KT3-358SA	Timing Set - 3 Pc.	505-1136A	(1)	E-384X	Standard Piston Ring Set	(1)	260-1477	Gasket Kit	(1)	1235M	Camshaft Bearing Set		
(1)	224-41118	Oil Pump		(1)	260-1463	Gasket Kit	(1)	1466M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit		
(8)	517CP	Cast Piston		(1)	1756M	Camshaft Bearing Set	(1)	KC-758	Cam & Lifter Kit	(1)	KT3-4SR46	Timing Set - 3 Pc.		
(1)	381-8015	Brass Expansion Plug Kit		(1)	KC-781	Cam & Lifter Kit	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump		
505-1121C				(1)	221-2544S	Timing Gear Set	(1)	224-41203	Oil Pump	(8)	423NP	Cast Piston		
				(4)	H547CP	Cast Piston	(8)	H801CP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit		
(1)	260-1451	Gasket Kit	(1)	381-8074	Brass Expansion Plug Kit	505-1148D			505-1156D					
(1)	1204M	Camshaft Bearing Set	505-114A	(1)	E-234X				Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set		
(1)	KC-668	Cam & Lifter Kit		(1)	260-1005				Gasket Kit	(1)	260-1269	Gasket Kit		
(1)	KT3-163SA1	Timing Set - 3 Pc.		(1)	1557M				Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set		
(1)	224-41118	Oil Pump		(1)	KC-633				Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit		
(8)	517CP	Cast Piston		(1)	221-2525S				Timing Gear Set	(1)	KT3-163S	Timing Set - 3 Pc.		
(1)	381-8015	Brass Expansion Plug Kit		(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump					
505-1123A			(6)	403P	Cast Piston	(8)	H801CP	Cast Piston	(8)	423NP	Cast Piston			
			(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8020	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit			
			505-114C			505-115A			505-116A					
									(1)	E-234X	Standard Piston Ring Set	(1)	E-234X	Standard Piston Ring Set
									(1)	260-1005	Gasket Kit	(1)	260-1037	Gasket Kit
									(1)	1557M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
(1)	KC-633	Cam & Lifter Kit							(1)	KC-677	Cam & Lifter Kit			
(1)	221-2525S	Timing Gear Set							(1)	221-2540S	Timing Gear Set			
(1)	224-4147	Oil Pump	(1)	224-4147	Oil Pump	(1)	221-2540S	Timing Gear Set						
(8)	H582P	Cast Piston	(6)	403P	Cast Piston	(6)	403P	Cast Piston	(1)	224-4147	Oil Pump			
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit			
505-1124A			505-114D			505-115E			505-118A					
									(1)	E-234X	Standard Piston Ring Set	(1)	E-243X	Standard Piston Ring Set
									(1)	260-1005	Gasket Kit	(1)	260-1016	Gasket Kit
									(1)	1557M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
									(1)	KC-633	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
									(1)	221-2528S	Timing Gear Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	224-4147	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump						
(8)	H582P	Cast Piston	(6)	403P	Cast Piston	(6)	403P	Cast Piston	(8)	400AP	Cast Piston			
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8008	Brass Expansion Plug Kit			
505-113C			505-114E			505-1151A			505-1183A					
									(1)	E-233X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set
									(1)	260-1009	Gasket Kit	(1)	260-1233	Gasket Kit
									(1)	1404M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
									(1)	KC-660	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit
									(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-4154	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-4148	Oil Pump						
(8)	H661CP	Cast Piston	(6)	1107P	Cast Piston	(6)	403P	Cast Piston	(6)	H561P	Cast Piston			
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8008	Brass Expansion Plug Kit			
505-113E			505-114F			505-1153A			505-1184A					
									(1)	E-233X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set
									(1)	260-1009	Gasket Kit	(1)	260-1466	Gasket Kit
									(1)	1404M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
									(1)	KC-774	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit
									(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-4154	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-4146A	Oil Pump	(1)	KT3-372S	Timing Set - 3 Pc.			
(8)	H661CP	Cast Piston	(6)	403P	Cast Piston	(8)	550P	Cast Piston	(6)	H562CP	Cast Piston			
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit			
505-1131A			505-114G			505-1155A			505-1184B					
									(1)	E-531X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set
									(1)	260-1227	Gasket Kit	(1)	260-1466	Gasket Kit
									(1)	1485M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
									(1)	KC-811	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit
									(1)	KT3-370S	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	224-4151	Oil Pump	(1)	224-4147	Oil Pump	(1)	224-4152	Oil Pump	(1)	224-4152	Oil Pump			
(4)	569P	Cast Piston	(6)	403P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit	(6)	H562CP	Cast Piston			
505-1134A			505-114H			505-1156A			505-1184C					
									(1)	E-384X	Standard Piston Ring Set	(1)	E-605X	Standard Piston Ring Set
									(1)	260-1464	Gasket Kit	(1)	260-1466	Gasket Kit
									(1)	1461M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set
									(1)	KC-782	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit
									(1)	221-2542LS	Timing Gear Set	(1)	KT3-368S	Timing Set - 3 Pc.
(4)	H547P	Cast Piston	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8074	Brass Expansion Plug Kit	(6)	H562CP	Cast Piston			
505-1135A			505-114I			505-1156C			505-1186A					
									(1)	E-384X	Standard Piston Ring Set	(1)	E-476X	Standard Piston Ring Set
									(1)	260-1462	Gasket Kit	(1)	260-1526	Gasket Kit
									(1)	1756M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set
									(1)	KC-781	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set
									(1)	221-2544S	Timing Gear Set	(1)	KC-767C	Cam, Lifter & Follower Kit
(4)	H547P	Cast Piston	(1)	381-8006	Brass Expansion Plug Kit	(1)	222-14	Timing Belt	(1)	224-41160	Oil Pump			
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Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-1186A (cont'd.)			505-1205A (cont'd.)			505-124P			505-1263A (cont'd.)		
(4)	H491P	Cast Piston	(1)	381-8050	Brass Expansion Plug Kit	(1)	E-251X	Standard Piston Ring Set	(1)	260-1652	Gasket Kit
(1)	381-8029	Brass Expansion Plug Kit	505-1205B			(1)	260-1014	Gasket Kit	(1)	1844M	Camshaft Bearing Set
505-119A			(1)	E-454X	Standard Piston Ring Set	(1)	1403M	Camshaft Bearing Set	(1)	KC-1511	Cam & Lifter Kit
(1)	E-245X	Standard Piston Ring Set	(1)	260-1616	Gasket Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KT3-64S	Timing Set - 3 Pc.
(1)	260-1000	Gasket Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	224-43431	Oil Pump
(1)	1145M	Camshaft Bearing Set	(1)	KC-785	Cam & Lifter Kit	(1)	224-41166	Oil Pump	(6)	H570P	Cast Piston
(1)	KC-274	Cam & Lifter Kit	(1)	222-153	Timing Belt	(8)	427P	Cast Piston	505-1264A		
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	224-4168	Oil Pump	(1)	381-8016	Brass Expansion Plug Kit	(1)	E-613X	Standard Piston Ring Set
(1)	224-4146	Oil Pump	(4)	571CP	Cast Piston	505-125A			(1)	260-1652	Gasket Kit
(8)	235NP	Cast Piston	505-1212A			(1)	E-251X	Standard Piston Ring Set	(1)	1844M	Camshaft Bearing Set
(1)	381-8007	Brass Expansion Plug Kit	(1)	E-446X	Standard Piston Ring Set	(1)	260-1028	Gasket Kit	(1)	KC-1510	Cam & Lifter Kit
505-119C			(1)	260-1556	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	KT3-64S	Timing Set - 3 Pc.
(1)	E-245X	Standard Piston Ring Set	(1)	1843M	Camshaft Bearing Set	(1)	KC-674	Cam & Lifter Kit	(1)	224-43431	Oil Pump
(1)	260-1000	Gasket Kit	(1)	KC-787	Cam & Lifter Kit	(1)	KT3-358S	Timing Set - 3 Pc.	(6)	H570P	Cast Piston
(1)	1145M	Camshaft Bearing Set	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	224-41143	Oil Pump	505-127A		
(1)	KC-273	Cam & Lifter Kit	(6)	H497P	Cast Piston	(8)	416P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	381-8072	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1126	Gasket Kit
(1)	224-4146	Oil Pump	505-1215A			505-125C			(1)	1204M	Camshaft Bearing Set
(8)	235NP	Cast Piston	(1)	E-458X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KC-674	Cam & Lifter Kit
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1559	Gasket Kit	(1)	260-1028	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
505-119D			(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
(1)	E-245X	Standard Piston Ring Set	(1)	KC-668	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit	(8)	416P	Cast Piston
(1)	260-1000	Gasket Kit	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
(1)	1235M	Camshaft Bearing Set	(1)	224-41118	Oil Pump	505-125D			505-127C		
(1)	KC-274	Cam & Lifter Kit	(8)	517CP	Cast Piston	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1028	Gasket Kit	(1)	260-1126	Gasket Kit
(1)	224-4146	Oil Pump	505-1217A			(1)	1204M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(8)	235NP	Cast Piston	(1)	E-454X	Standard Piston Ring Set	(1)	KC-674	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1616	Gasket Kit	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	224-41143	Oil Pump
505-119E			(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-674	Cam & Lifter Kit	(8)	463P	Cast Piston
(1)	E-245X	Standard Piston Ring Set	(1)	KC-785	Cam & Lifter Kit	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	222-153	Timing Belt	(1)	224-41143	Oil Pump	505-127D		
(1)	1235M	Camshaft Bearing Set	(1)	224-4168	Oil Pump	(8)	336P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(1)	527P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1126	Gasket Kit
(1)	KT3-489S	Timing Set - 3 Pc.	505-122C			505-1250A			(1)	1204M	Camshaft Bearing Set
(1)	224-4149	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KC-764	Cam & Lifter Kit
(8)	235NP	Cast Piston	(1)	260-1033	Gasket Kit	(1)	260-1169	Gasket Kit	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	1484M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
505-119F			(1)	KC-665	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(8)	463P	Cast Piston
(1)	E-245X	Standard Piston Ring Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	224-4166	Oil Pump	(1)	224-41118	Oil Pump	505-130A		
(1)	1235M	Camshaft Bearing Set	(8)	405P	Cast Piston	(8)	H654P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit
(1)	KT3-499S	Timing Set - 3 Pc.	505-124G			505-1251A			(1)	1235M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit
(8)	235NP	Cast Piston	(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
505-119G			(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(8)	310NP	Cast Piston
(1)	E-245X	Standard Piston Ring Set	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.	505-130C		
(1)	260-1000	Gasket Kit	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	(1)	E-251X	Standard Piston Ring Set
(1)	1235M	Camshaft Bearing Set	(1)	451P	Cast Piston	(8)	H654P	Cast Piston	(1)	260-1000	Gasket Kit
(1)	KC-274	Cam & Lifter Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	1235M	Camshaft Bearing Set
(1)	KT3-499S	Timing Set - 3 Pc.	505-124J			505-1251C			(1)	KC-274	Cam & Lifter Kit
(1)	224-4149	Oil Pump	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.
(8)	235NP	Cast Piston	(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit	(1)	224-4146	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(8)	423NP	Cast Piston
505-120A			(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit
(1)	E-245X	Standard Piston Ring Set	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.	505-130D		
(1)	260-1000	Gasket Kit	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	(1)	E-251X	Standard Piston Ring Set
(1)	1235M	Camshaft Bearing Set	(1)	451P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit
(1)	KC-274	Cam & Lifter Kit	505-124M			505-1253A			(1)	1235M	Camshaft Bearing Set
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	KC-274	Cam & Lifter Kit
(1)	224-4146	Oil Pump	(1)	260-1014	Gasket Kit	(1)	260-1559	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(8)	295P	Cast Piston	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(8)	345NP	Cast Piston
505-1205A			(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	381-8007	Brass Expansion Plug Kit
(1)	E-454X	Standard Piston Ring Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump	505-130E		
(1)	260-1616	Gasket Kit	(8)	427P	Cast Piston	(8)	H654P	Cast Piston	(1)	E-251X	Standard Piston Ring Set
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit
(1)	KC-785	Cam & Lifter Kit	505-1263A			505-1263A			(1)	1235M	Camshaft Bearing Set
(1)	222-153	Timing Belt	(1)	E-613X	Standard Piston Ring Set	505-1263A			(1)	KC-274	Cam & Lifter Kit
(1)	224-4168	Oil Pump	505-1263A			505-1263A			(1)	KT3-499S	Timing Set - 3 Pc.
(4)	571CP	Cast Piston	505-1263A			505-1263A			505-1263A		
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Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-130E (cont'd.)			505-137D			505-140E (cont'd.)			505-153F (cont'd.)		
(1)	224-4146	Oil Pump	(1)	E-296X	Standard Piston Ring Set	(1)	KC-690C	Cam & Lifter Kit	(1)	KC-560	Cam & Lifter Kit
(8)	H951P 30	Cast Piston	(1)	260-1013	Gasket Kit	(1)	K73-350S	Timing Set - 3 Pc.	(1)	K73-358SA	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	1414M	Camshaft Bearing Set	(1)	224-43364S	Oil Pump	(1)	224-41118	Oil Pump
505-130F			(1)	KC-648	Cam & Lifter Kit	(8)	411NP	Cast Piston	(8)	272AP	Cast Piston
(1)	E-251X	Standard Piston Ring Set	(1)	K73-491SA	Timing Set - 3 Pc.	(1)	381-8021	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	224-41139	Oil Pump	505-146A			505-153G		
(1)	1235M	Camshaft Bearing Set	(8)	H418P	Cast Piston	(1)	E-352X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1018	Gasket Kit	(1)	260-1125	Gasket Kit
(1)	K73-163S	Timing Set - 3 Pc.	505-137E			(1)	1443M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	(1)	E-296X	Standard Piston Ring Set	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KC-668	Cam & Lifter Kit
(8)	423NP	Cast Piston	(1)	260-1013	Gasket Kit	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	K73-358SA	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	1414M	Camshaft Bearing Set	(1)	222-14	Timing Belt	(1)	224-41118	Oil Pump
505-132G			(1)	KC-648	Cam & Lifter Kit	(1)	224-41160	Oil Pump	(8)	272AP	Cast Piston
(1)	E-424X	Standard Piston Ring Set	(1)	K73-491S	Timing Set - 3 Pc.	(4)	H435P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1001	Gasket Kit	(1)	224-41139	Oil Pump	505-147A			505-153H		
(1)	1453M	Camshaft Bearing Set	(8)	H418P	Cast Piston	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	KC-327	Cam & Lifter Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1023	Gasket Kit	(1)	260-1125	Gasket Kit
(1)	K73-501S	Timing Set - 3 Pc.	505-1373A			(1)	1235M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	224-4174	Oil Pump	(1)	E-384X	Standard Piston Ring Set	(1)	KC-673	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(8)	424P	Cast Piston	(1)	260-1563	Gasket Kit	(1)	K73-499S	Timing Set - 3 Pc.	(1)	K73-358SA	Timing Set - 3 Pc.
(1)	381-8011	Brass Expansion Plug Kit	(1)	1461M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-41118	Oil Pump
505-1329A			(1)	KC-1507	Cam & Lifter Kit	(1)	454NP	Cast Piston	(8)	273AP	Cast Piston
(1)	E-528X	Standard Piston Ring Set	(1)	221-2542LS	Timing Gear Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1432	Gasket Kit	(4)	H547CP	Cast Piston	505-148A			505-153J		
(1)	KC-864	Cam & Lifter Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	KC-865	Cam & Lifter Kit	505-1374A			(1)	260-1024	Gasket Kit	(1)	260-1125	Gasket Kit
(1)	222-139	Timing Belt	(1)	E-384X	Standard Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	224-42000	Oil Pump	(1)	260-1463	Gasket Kit	(1)	KC-711	Cam & Lifter Kit	(1)	KC-560	Cam & Lifter Kit
(6)	H834CP	Cast Piston	(1)	1756M	Camshaft Bearing Set	(1)	K73-499S	Timing Set - 3 Pc.	(1)	K73-356S	Timing Set - 3 Pc.
505-133A			(1)	KC-1518	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	224-41118	Oil Pump
(1)	E-288X	Standard Piston Ring Set	(1)	K73-378S	Timing Set - 3 Pc.	(8)	454NP	Cast Piston	(8)	273AP	Cast Piston
(1)	260-1124	Gasket Kit	(1)	H547CP	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	1466M	Camshaft Bearing Set	(1)	381-8074	Brass Expansion Plug Kit	505-148D			505-153L		
(1)	KC-707	Cam & Lifter Kit	505-1377			(1)	E-356X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	K73-498SA3	Timing Set - 3 Pc.	(1)	E-178X	Standard Piston Ring Set	(1)	260-1024	Gasket Kit	(1)	260-1125	Gasket Kit
(1)	224-41203	Oil Pump	(1)	260-1430	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(8)	472NP	Cast Piston	(1)	1484M	Camshaft Bearing Set	(1)	KC-711	Cam & Lifter Kit	(1)	KC-560	Cam & Lifter Kit
505-134A			(1)	KC-1565	Cam & Lifter Kit	(1)	K73-499S	Timing Set - 3 Pc.	(1)	K73-358S	Timing Set - 3 Pc.
(1)	E-288X	Standard Piston Ring Set	(1)	K73-160S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(1)	224-41118	Oil Pump
(1)	260-1012	Gasket Kit	(1)	224-4166	Oil Pump	(8)	534NP	Cast Piston	(8)	273AP	Cast Piston
(1)	1422M	Camshaft Bearing Set	(8)	526P	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	KC-647	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	505-150E			505-158A		
(1)	K73-359S	Timing Set - 3 Pc.	505-138A			(1)	E-369X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	224-518	Oil Pump Repair Kit	(1)	E-297X	Standard Piston Ring Set	(1)	260-1032	Gasket Kit	(1)	260-1045	Gasket Kit
(8)	657P 30	Cast Piston	(1)	260-1022	Gasket Kit	(1)	1462M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	381-8002	Brass Expansion Plug Kit	(1)	1466M	Camshaft Bearing Set	(1)	KC-702	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
505-134C			(1)	KC-707	Cam & Lifter Kit	(1)	K73-359SA1	Timing Set - 3 Pc.	(1)	K73-499S	Timing Set - 3 Pc.
(1)	E-288X	Standard Piston Ring Set	(1)	K73-498SA3	Timing Set - 3 Pc.	(1)	224-518	Oil Pump Repair Kit	(1)	224-4146	Oil Pump
(1)	260-1012	Gasket Kit	(1)	224-41203	Oil Pump	(6)	450NP	Cast Piston	(8)	423NP	Cast Piston
(1)	1422M	Camshaft Bearing Set	(8)	332AP	Cast Piston	(1)	381-8035	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
(1)	KC-676	Cam & Lifter Kit	(1)	381-8020	Brass Expansion Plug Kit	505-153A			505-158C		
(1)	K73-359S	Timing Set - 3 Pc.	505-139C			(1)	E-251X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set
(1)	224-518	Oil Pump Repair Kit	(1)	E-297X	Standard Piston Ring Set	(1)	260-1125	Gasket Kit	(1)	260-1045	Gasket Kit
(8)	657P 30	Cast Piston	(1)	260-1008	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	381-8002	Brass Expansion Plug Kit	(1)	1234M	Camshaft Bearing Set	(1)	KC-560	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
505-137A			(1)	KC-707	Cam & Lifter Kit	(1)	K73-356S	Timing Set - 3 Pc.	(1)	K73-163S	Timing Set - 3 Pc.
(1)	E-296X	Standard Piston Ring Set	(1)	K73-498SA3	Timing Set - 3 Pc.	(1)	224-41118	Oil Pump	(1)	224-4146	Oil Pump
(1)	260-1013	Gasket Kit	(1)	224-41203	Oil Pump	(8)	272AP	Cast Piston	(8)	423NP	Cast Piston
(1)	1414M	Camshaft Bearing Set	(8)	332AP	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
(1)	KC-648	Cam & Lifter Kit	(1)	381-8020	Brass Expansion Plug Kit	505-153D			505-160A		
(1)	K73-491SA	Timing Set - 3 Pc.	505-140C			(1)	E-251X	Standard Piston Ring Set	(1)	E-233X	Standard Piston Ring Set
(1)	224-41139	Oil Pump	(1)	E-299X	Standard Piston Ring Set	(1)	260-1125	Gasket Kit	(1)	260-1046	Gasket Kit
(8)	413AP	Cast Piston	(1)	260-1025	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	1220M	Camshaft Bearing Set	(1)	KC-560	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit
505-137C			(1)	KC-641	Cam & Lifter Kit	(1)	K73-358S	Timing Set - 3 Pc.	(1)	K73-501SA	Timing Set - 3 Pc.
(1)	E-296X	Standard Piston Ring Set	(1)	K73-350S	Timing Set - 3 Pc.	(1)	224-41118	Oil Pump	(1)	224-4154	Oil Pump
(1)	260-1013	Gasket Kit	(1)	224-43364S	Oil Pump	(8)	272AP	Cast Piston	(8)	H661CP	Cast Piston
(1)	1414M	Camshaft Bearing Set	(8)	411NP	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit
(1)	KC-648	Cam & Lifter Kit	(1)	381-8021	Brass Expansion Plug Kit	505-153F			505-161A		
(1)	K73-491S	Timing Set - 3 Pc.	505-140E			(1)	E-251X	Standard Piston Ring Set	(1)	E-243X	Standard Piston Ring Set
(1)	224-41139	Oil Pump	(1)	E-299X	Standard Piston Ring Set	(1)	260-1125	Gasket Kit	(1)	260-1009	Gasket Kit
(8)	413AP	Cast Piston	(1)	260-1025	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	1220M	Camshaft Bearing Set	505-153F			505-161A		
505-137E			505-140E			505-153F			505-161A		
(1)	E-296X	Standard Piston Ring Set	505-140E			(1)	E-251X	Standard Piston Ring Set	(1)	E-243X	Standard Piston Ring Set
(1)	260-1013	Gasket Kit	505-140E			(1)	260-1125	Gasket Kit	(1)	260-1009	Gasket Kit
(1)	1414M	Camshaft Bearing Set	505-140E			(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	KC-648	Cam & Lifter Kit	505-140E			505-153F			505-161A		
(1)	K73-491S	Timing Set - 3 Pc.	505-140E			505-153F			505-161A		
(1)	224-41139	Oil Pump	505-140E			505-153F			505-161A		
(8)	413AP	Cast Piston	505-140E			505-153F			505-161A		
(1)	381-8018	Brass Expansion Plug Kit	505-140E			505-153F			505-161A		
505-137C			505-140E			505-153F			505-161A		
(1)	E-296X	Standard Piston Ring Set	505-140E			(1)	E-251X	Standard Piston Ring Set	(1)	E-243X	Standard Piston Ring Set
(1)	260-1013	Gasket Kit	505-140E			(1)	260-1125	Gasket Kit	(1)	260-1009	Gasket Kit
(1)	1414M	Camshaft Bearing Set	505-140E			(1)	1204M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	KC-648	Cam & Lifter Kit	505-140E			505-153F			505-161A		
(1)	K73-491S	Timing Set - 3 Pc.	505-140E			505-153F			505-161A		
(1)	224-41139	Oil Pump	505-140E			505-153F					

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-161A (cont'd.)			505-195A			505-2033 (cont'd.)			505-217C		
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	E-378X	Standard Piston Ring Set	(1)	260-1556	Gasket Kit	(1)	E-178X	Standard Piston Ring Set
(1)	224-4154	Oil Pump	(1)	260-1104	Gasket Kit	(1)	1843M	Camshaft Bearing Set	(1)	260-1153	Gasket Kit
(8)	402P	Cast Piston	(1)	1466M	Camshaft Bearing Set	(1)	KC-787	Cam & Lifter Kit	(1)	1484M	Camshaft Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-707	Cam & Lifter Kit	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	KC-645	Cam & Lifter Kit
505-162A			(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	224-43636S	Oil Pump	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	E-251X	Standard Piston Ring Set	(1)	224-41203	Oil Pump	(6)	H497P	Cast Piston	(1)	224-4166	Oil Pump
(1)	260-1000	Gasket Kit	(8)	466NP	Cast Piston	(1)	381-8072	Brass Expansion Plug Kit	(8)	285NP	Cast Piston
(1)	1145M	Camshaft Bearing Set	(1)	381-8047	Brass Expansion Plug Kit	505-2050			(1)	381-8010	Brass Expansion Plug Kit
(1)	KC-274	Cam & Lifter Kit	505-199A			(1)	E-450X	Standard Piston Ring Set	505-218A		
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	E-411X	Standard Piston Ring Set	(1)	260-1192	Gasket Kit	(1)	E-178X	Standard Piston Ring Set
(1)	224-4146	Oil Pump	(1)	260-1123	Gasket Kit	(1)	1244M	Camshaft Bearing Set	(1)	260-1152	Gasket Kit
(8)	310NP	Cast Piston	(1)	1492M	Camshaft Bearing Set	(1)	KC-779	Cam & Lifter Kit	(1)	1484M	Camshaft Bearing Set
505-162C			(1)	KC-715	Cam & Lifter Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	KC-645	Cam & Lifter Kit
(1)	E-251X	Standard Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-41198	Oil Pump	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	260-1000	Gasket Kit	(1)	224-4148	Oil Pump	(4)	525CP	Cast Piston	(1)	224-4166	Oil Pump
(1)	1235M	Camshaft Bearing Set	(6)	464P	Cast Piston	(1)	381-8086	Brass Expansion Plug Kit	(8)	285NP	Cast Piston
(1)	KC-274	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	505-2053			(1)	381-8010	Brass Expansion Plug Kit
(1)	KT3-489S	Timing Set - 3 Pc.	505-199C			(1)	E-234X	Standard Piston Ring Set	505-218D		
(1)	224-4146	Oil Pump	(1)	E-411X	Standard Piston Ring Set	(1)	260-1424	Gasket Kit	(1)	E-178X	Standard Piston Ring Set
(8)	310NP	Cast Piston	(1)	260-1123	Gasket Kit	(1)	1244M	Camshaft Bearing Set	(1)	260-1152	Gasket Kit
505-162E			(1)	1492M	Camshaft Bearing Set	(1)	KC-809	Cam & Lifter Kit	(1)	1484M	Camshaft Bearing Set
(1)	E-251X	Standard Piston Ring Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-4SR48	Timing Set - 3 Pc.	(1)	KC-645	Cam & Lifter Kit
(1)	260-1000	Gasket Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-41198	Oil Pump	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	1235M	Camshaft Bearing Set	(1)	224-4148	Oil Pump	(6)	677CP	Cast Piston	(1)	224-4166	Oil Pump
(1)	KC-274	Cam & Lifter Kit	(6)	464P	Cast Piston	(1)	381-8084	Brass Expansion Plug Kit	(8)	285NP	Cast Piston
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	381-8046	Brass Expansion Plug Kit	505-2058			(1)	381-8010	Brass Expansion Plug Kit
(1)	224-4149	Oil Pump	505-2000			(1)	E-454X	Standard Piston Ring Set	505-218H		
(8)	310NP	Cast Piston	(1)	E-605X	Standard Piston Ring Set	(1)	260-1616	Gasket Kit	(1)	E-178X	Standard Piston Ring Set
505-162F			(1)	260-1466	Gasket Kit	(1)	1840M	Camshaft Bearing Set	(1)	260-1152	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	260-1000	Gasket Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	1235M	Camshaft Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump
(1)	KC-274	Cam & Lifter Kit	(1)	224-4148	Oil Pump	(1)	224-4168	Oil Pump	(8)	526P	Cast Piston
(1)	KT3-499S	Timing Set - 3 Pc.	(6)	H562CP	Cast Piston	(4)	527P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit
(1)	224-4149	Oil Pump	(1)	381-8085	Brass Expansion Plug Kit	505-2059			505-218J		
(8)	310NP	Cast Piston	505-2001			(1)	E-454X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
505-183C			(1)	E-605X	Standard Piston Ring Set	(1)	260-1616	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	E-251X	Standard Piston Ring Set	(1)	260-1466	Gasket Kit	(1)	1840M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	260-1095	Gasket Kit	(1)	1492M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-1556	Cam & Lifter Kit
(1)	1484M	Camshaft Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	KC-665	Cam & Lifter Kit	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	224-4152	Oil Pump	(1)	224-4168	Oil Pump	(8)	526P	Cast Piston
(1)	224-4166	Oil Pump	(6)	H562CP	Cast Piston	(4)	571CP	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit
(8)	405P	Cast Piston	(1)	381-8085	Brass Expansion Plug Kit	505-213A			505-218K		
(1)	381-8010	Brass Expansion Plug Kit	505-2002			(1)	E-286X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
505-186A			(1)	E-605X	Standard Piston Ring Set	(1)	260-1121	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	E-232X	Standard Piston Ring Set	(1)	260-1233	Gasket Kit	(1)	1484M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	260-1009	Gasket Kit	(1)	1492M	Camshaft Bearing Set	(1)	KC-644	Cam & Lifter Kit	(1)	KC-1556	Cam & Lifter Kit
(1)	1255M	Camshaft Bearing Set	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	KC-636	Cam & Lifter Kit	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	224-4166	Oil Pump
(1)	224-4154	Oil Pump	(1)	224-4148	Oil Pump	(8)	526P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit
(8)	460P	Cast Piston	(6)	H561CP	Cast Piston	505-215A			505-218L		
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8085	Brass Expansion Plug Kit	(1)	E-301X	Standard Piston Ring Set	(1)	E-178X	Standard Piston Ring Set
505-186C			505-2012			(1)	260-1151	Gasket Kit	(1)	260-1152	Gasket Kit
(1)	E-232X	Standard Piston Ring Set	(1)	E-229X	Standard Piston Ring Set	(1)	1401M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	260-1009	Gasket Kit	(1)	260-1240	Gasket Kit	(1)	KC-646	Cam & Lifter Kit	(1)	KC-645	Cam & Lifter Kit
(1)	1404M	Camshaft Bearing Set	(1)	1463M	Camshaft Bearing Set	(1)	KT3-369S	Timing Set - 3 Pc.	(1)	KT3-160S	Timing Set - 3 Pc.
(1)	KC-636	Cam & Lifter Kit	(1)	KC-783	Cam & Lifter Kit	(1)	224-51285	Oil Pump Repair Kit	(1)	224-4166	Oil Pump
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-499SA6	Timing Set - 3 Pc.	(8)	362NP	Cast Piston	(1)	526P	Cast Piston
(1)	224-4154	Oil Pump	(1)	224-4146	Oil Pump	(1)	381-8001	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(8)	460P	Cast Piston	(6)	645P	Cast Piston	505-216A			505-224A		
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8058	Brass Expansion Plug Kit	(1)	E-222X	Standard Piston Ring Set	(1)	E-369X	Standard Piston Ring Set
505-186C			505-2032			(1)	260-1134	Gasket Kit	(1)	260-1149	Gasket Kit
(1)	E-232X	Standard Piston Ring Set	(1)	E-465X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	1462M	Camshaft Bearing Set
(1)	260-1009	Gasket Kit	(1)	260-1437	Gasket Kit	(1)	KC-713	Cam & Lifter Kit	(1)	KC-702	Cam & Lifter Kit
(1)	1404M	Camshaft Bearing Set	(1)	1494M	Camshaft Bearing Set	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	KT3-359SA1	Timing Set - 3 Pc.
(1)	KC-636	Cam & Lifter Kit	(1)	KC-788	Cam & Lifter Kit	(1)	224-41198	Oil Pump	(1)	224-518	Oil Pump Repair Kit
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	KT3-505S	Timing Set - 3 Pc.	(6)	470NP	Cast Piston	(6)	450NP	Cast Piston
(1)	224-4154	Oil Pump	(1)	224-41100	Oil Pump	(1)	381-8000	Brass Expansion Plug Kit	(1)	381-8035	Brass Expansion Plug Kit
(8)	460P	Cast Piston	(4)	489P	Cast Piston	505-227C			505-227C		
(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8063	Brass Expansion Plug Kit	(1)	E-432X	Standard Piston Ring Set	(1)	E-432X	Standard Piston Ring Set
505-192A			505-2033			(1)	260-1143	Gasket Kit	(1)	260-1143	Gasket Kit
(1)	E-414X	Standard Piston Ring Set	(1)	E-446X	Standard Piston Ring Set	(cont'd. next column)			(cont'd. next page)		
(1)	260-1101	Gasket Kit									
(1)	1463M	Camshaft Bearing Set									
(1)	KC-712	Cam & Lifter Kit									
(1)	KT3-499S	Timing Set - 3 Pc.									
(1)	224-4146	Oil Pump									
(6)	698P 30	Cast Piston									
(1)	381-8049	Brass Expansion Plug Kit									

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-227C (cont'd.)			505-244C (cont'd.)			505-263A (cont'd.)			505-360A (cont'd.)		
(1)	1492M	Camshaft Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(6)	470NP	Cast Piston
(1)	KC-715	Cam & Lifter Kit	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	381-8000	Brass Expansion Plug Kit
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump	(1)	222-14	Timing Belt	505-369C		
(1)	224-4148	Oil Pump	(8)	285NP	Cast Piston	(1)	224-41160	Oil Pump	(1)	E-454X	Standard Piston Ring Set
(6)	516P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit	(4)	H435P	Cast Piston	(1)	260-1093	Gasket Kit
(1)	381-8046	Brass Expansion Plug Kit	505-252A			(1)	381-8029	Brass Expansion Plug Kit	(1)	1487M	Auxiliary Shaft Bearing Set
505-228C			(1)	E-352X	Standard Piston Ring Set	505-265C			(1)	KC-785C	Cam, Lifter & Follower Kit
(1)	E-432X	Standard Piston Ring Set	(1)	260-1161	Gasket Kit	(1)	E-229X	Standard Piston Ring Set	(1)	222-71	Timing Belt
(1)	260-1144	Gasket Kit	(1)	1443M	Camshaft Bearing Set	(1)	260-1174	Gasket Kit	(1)	224-4168	Oil Pump
(1)	1492M	Camshaft Bearing Set	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1781M	Camshaft Bearing Set	(4)	527P	Cast Piston
(1)	KC-715	Cam & Lifter Kit	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	KC-1230	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	222-14	Timing Belt	(1)	221-2764S	Timing Gear Set	505-383A		
(1)	224-4148	Oil Pump	(1)	224-41160	Oil Pump	(1)	224-41124	Oil Pump	(1)	E-465X	Standard Piston Ring Set
(6)	516P	Cast Piston	(4)	H435P	Cast Piston	(6)	H519P	Cast Piston	(1)	260-1208	Gasket Kit
(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8029	Brass Expansion Plug Kit	(1)	381-8014	Brass Expansion Plug Kit	(1)	1494M	Camshaft Bearing Set
505-228E			505-257A			505-267A			(1)	KC-788	Cam & Lifter Kit
(1)	E-432X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	260-1144	Gasket Kit	(1)	260-1166	Gasket Kit	(1)	260-1013	Gasket Kit	(1)	224-41100	Oil Pump
(1)	1492M	Camshaft Bearing Set	(1)	1493M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set	(4)	489P	Cast Piston
(1)	KC-1539	Cam & Lifter Kit	(1)	KC-733	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit	505-386A		
(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	E-415X	Standard Piston Ring Set
(1)	224-4148	Oil Pump	(1)	224-51162	Oil Pump Repair Kit	(1)	224-41144	Oil Pump	(1)	260-1211	Gasket Kit
(6)	516P	Cast Piston	(6)	481P	Cast Piston	(8)	H418P	Cast Piston	(1)	1493M	Camshaft Bearing Set
(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit	(1)	381-8018	Brass Expansion Plug Kit	(1)	KC-748	Cam & Lifter Kit
505-228G			505-258A			505-268A			(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	E-432X	Standard Piston Ring Set	(1)	E-415X	Standard Piston Ring Set	(1)	E-296X	Standard Piston Ring Set	(1)	224-51162	Oil Pump Repair Kit
(1)	260-1144	Gasket Kit	(1)	260-1167	Gasket Kit	(1)	260-1177	Gasket Kit	(6)	490P .50MM	Cast Piston
(1)	1492M	Camshaft Bearing Set	(1)	1493M	Camshaft Bearing Set	(1)	1414M	Camshaft Bearing Set	(1)	381-8053	Brass Expansion Plug Kit
(1)	KC-1539	Cam & Lifter Kit	(1)	KC-748	Cam & Lifter Kit	(1)	KC-648	Cam & Lifter Kit	505-388A		
(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-365SA	Timing Set - 3 Pc.	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	E-251X	Standard Piston Ring Set
(1)	224-4148	Oil Pump	(1)	224-51162	Oil Pump Repair Kit	(1)	224-41144	Oil Pump	(1)	260-1213A	Gasket Kit
(6)	516P	Cast Piston	(6)	490P .50MM	Cast Piston	(8)	H418P	Cast Piston	(1)	1204M	Camshaft Bearing Set
(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit	505-274A			(1)	KC-761	Cam & Lifter Kit
505-239A			505-260A			(1)	E-251X	Standard Piston Ring Set	(1)	KT3-163SA	Timing Set - 3 Pc.
(1)	E-234X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	260-1189	Gasket Kit	(1)	224-41118	Oil Pump
(1)	260-1129	Gasket Kit	(1)	260-1169	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(8)	H273CP	Cast Piston
(1)	1557M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	KC-674	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	KC-633	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	505-391A		
(1)	221-2528S	Timing Gear Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	224-41143	Oil Pump	(1)	E-476X	Standard Piston Ring Set
(1)	224-4147	Oil Pump	(1)	224-41118	Oil Pump	(8)	416P	Cast Piston	(1)	260-1214	Gasket Kit
(6)	403P	Cast Piston	(8)	273AP	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	1443M	Camshaft Bearing Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	505-274C			(1)	1460M	Auxiliary Shaft Bearing Set
505-239C			505-261A			(1)	E-251X	Standard Piston Ring Set	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	E-234X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	260-1170	Gasket Kit	(1)	222-14	Timing Belt
(1)	260-1129	Gasket Kit	(1)	260-1170	Gasket Kit	(1)	1204M	Camshaft Bearing Set	(1)	224-41160	Oil Pump
(1)	1557M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	KC-674	Cam & Lifter Kit	(4)	H491P	Cast Piston
(1)	KC-677	Cam & Lifter Kit	(1)	KC-674	Cam & Lifter Kit	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8029	Brass Expansion Plug Kit
(1)	221-2540S	Timing Gear Set	(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	224-41143	Oil Pump	505-396A		
(1)	224-4147	Oil Pump	(1)	224-41143	Oil Pump	(8)	463P	Cast Piston	(1)	E-442X	Standard Piston Ring Set
(6)	403P	Cast Piston	(8)	463P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1218	Gasket Kit
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	505-358A			(1)	1443M	Camshaft Bearing Set
505-239D			505-261C			(1)	E-450X	Standard Piston Ring Set	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	E-234X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	260-1191	Gasket Kit	(1)	KC-767C	Cam, Lifter & Follower Kit
(1)	260-1129	Gasket Kit	(1)	260-1170	Gasket Kit	(1)	1244M	Camshaft Bearing Set	(1)	222-14	Timing Belt
(1)	1557M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	KC-779	Cam & Lifter Kit	(1)	224-41127	Oil Pump
(1)	KC-633	Cam & Lifter Kit	(1)	KC-764	Cam & Lifter Kit	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(4)	H537P	Cast Piston
(1)	221-2540S	Timing Gear Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	224-41198	Oil Pump	(1)	381-8029	Brass Expansion Plug Kit
(1)	224-4147	Oil Pump	(1)	224-41143	Oil Pump	(4)	525P	Cast Piston	505-398C		
(6)	403P	Cast Piston	(8)	463P	Cast Piston	505-359A			(1)	E-481X	Standard Piston Ring Set
(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	E-450X	Standard Piston Ring Set	(1)	260-1220	Gasket Kit
505-243A			505-261D			(1)	260-1192	Gasket Kit	(1)	1838M	Camshaft Bearing Set
(1)	E-178X	Standard Piston Ring Set	(1)	E-251X	Standard Piston Ring Set	(1)	1244M	Camshaft Bearing Set	(1)	KC-814	Cam & Lifter Kit
(1)	260-1121	Gasket Kit	(1)	260-1170	Gasket Kit	(1)	KC-779	Cam & Lifter Kit	(1)	KT3-60S	Timing Set - 3 Pc.
(1)	1484M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	224-43431	Oil Pump
(1)	KC-645	Cam & Lifter Kit	(1)	KC-764	Cam & Lifter Kit	(1)	224-41198	Oil Pump	(6)	520P	Cast Piston
(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KT3-163SA	Timing Set - 3 Pc.	(4)	525P	Cast Piston	(1)	381-8064	Brass Expansion Plug Kit
(1)	224-4166	Oil Pump	(1)	224-41143	Oil Pump	505-360A			505-6002A		
(8)	285NP	Cast Piston	(8)	463P	Cast Piston	(1)	E-222X	Standard Piston Ring Set	(1)	E-458K	Premium Piston Ring Set
(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1193	Gasket Kit	(1)	260-1169	Gasket Kit
505-244C			505-263A			(1)	1244M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	E-178X	Standard Piston Ring Set	(1)	E-352X	Standard Piston Ring Set	(1)	KC-713	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	260-1154	Gasket Kit	(1)	260-1172	Gasket Kit	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	1484M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set	(1)	224-41198	Oil Pump	(1)	224-41118	Oil Pump
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-6002A (cont'd.)			505-6011A (cont'd.)			505-6024C (cont'd.)			505-6037A		
(8)	517CP	Cast Piston	(6)	516P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	505-6024D			(1)	260-1268	Gasket Kit
505-6003A			505-6012A			(1)	E-356K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set
(1)	E-295K	Premium Piston Ring Set	(1)	E-478K	Premium Piston Ring Set	(1)	260-1243	Gasket Kit	(1)	KC-274	Cam & Lifter Kit
(1)	260-1223	Gasket Kit	(1)	260-1233	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	1414M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	KC-711	Cam & Lifter Kit	(1)	224-4146	Oil Pump
(1)	KC-648	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(8)	423NP	Cast Piston
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	(1)	381-8059	Brass Expansion Plug Kit
(1)	224-41144	Oil Pump	(1)	224-4148	Oil Pump	505-6026A			505-6037C		
(8)	H418P	Cast Piston	(6)	531P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	260-1246	Gasket Kit	(1)	260-1268	Gasket Kit
505-6004A			505-6015E			(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	E-447K	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set	(1)	KC-766	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	260-1672	Gasket Kit	(1)	260-1236	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	260-4029	Valley Pan Gasket Set	(1)	1755M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump
(1)	1467M	Camshaft Bearing Set	(1)	KC-836	Cam & Lifter Kit	(8)	536NP	Cast Piston	(8)	423NP	Cast Piston
(1)	KC-771	Cam & Lifter Kit	(1)	KT3-359SA2	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
(1)	221-3342S	Timing Gear Set	(1)	224-51379	Oil Pump Repair Kit	505-6026C			505-604A		
(1)	224-41999	Oil Pump	(6)	450NP	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-196K	Premium Piston Ring Set
(8)	H729CP	Cast Piston	(1)	381-8073	Brass Expansion Plug Kit	(1)	260-1246	Gasket Kit	(1)	260-1038	Gasket Kit
(1)	381-8056	Brass Expansion Plug Kit	505-6019A			(1)	1235M	Camshaft Bearing Set	(1)	1473M	Camshaft Bearing Set
505-6006A			(1)	E-459K	Premium Piston Ring Set	(1)	KC-793	Cam & Lifter Kit	(1)	KC-709	Cam & Lifter Kit
(1)	E-477K	Premium Piston Ring Set	(1)	260-1239	Gasket Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-495SA	Timing Set - 3 Pc.
(1)	260-1227	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-4165C	Oil Pump
(1)	1485M	Camshaft Bearing Set	(1)	KC-756	Cam & Lifter Kit	(8)	536NP	Cast Piston	(6)	244NP	Cast Piston
(1)	KC-811	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8012	Brass Expansion Plug Kit
(1)	KT3-370S	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump	505-6026E			505-606A		
(1)	224-4151	Oil Pump	(6)	640P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set
(4)	540P 1.00MM	Cast Piston	(1)	381-8049	Brass Expansion Plug Kit	(1)	260-1246	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	381-8054	Brass Expansion Plug Kit	505-602A			(1)	1235M	Camshaft Bearing Set	(1)	1203M	Camshaft Bearing Set
505-6007A			(1)	E-196K	Premium Piston Ring Set	(1)	KC-711	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	E-384K	Premium Piston Ring Set	(1)	260-1004	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	260-1228	Gasket Kit	(1)	1454M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	1461M	Camshaft Bearing Set	(1)	KC-380	Cam & Lifter Kit	(8)	536NP	Cast Piston	(6)	H909P	Cast Piston
(1)	KC-782	Cam & Lifter Kit	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	221-2542LS	Timing Gear Set	(1)	224-4165C	Oil Pump	505-6027A			505-606C		
(1)	224-41239	Oil Pump	(6)	244NP	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set
(4)	H547P	Cast Piston	(1)	381-8012	Brass Expansion Plug Kit	(1)	260-1246	Gasket Kit	(1)	260-1005	Gasket Kit
(1)	381-8074	Brass Expansion Plug Kit	505-6020A			(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
505-6008A			(1)	E-459K	Premium Piston Ring Set	(1)	KC-793	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	E-384K	Premium Piston Ring Set	(1)	260-1240	Gasket Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	260-1229	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	1756M	Camshaft Bearing Set	(1)	KC-756	Cam & Lifter Kit	(8)	536NP	Cast Piston	(6)	H909P	Cast Piston
(1)	KC-781	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	221-2544S	Timing Gear Set	(1)	224-4146	Oil Pump	505-6027C			505-607A		
(1)	224-41239	Oil Pump	(6)	640P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set
(4)	H547P	Cast Piston	(1)	381-8058	Brass Expansion Plug Kit	(1)	260-1247	Gasket Kit	(1)	260-1044	Gasket Kit
(1)	381-8074	Brass Expansion Plug Kit	505-6021A			(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set
505-6009A			(1)	E-459K	Premium Piston Ring Set	(1)	KC-793	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit
(1)	E-450K	Premium Piston Ring Set	(1)	260-1241	Gasket Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set
(1)	260-1230	Gasket Kit	(1)	1463M	Camshaft Bearing Set	(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump
(1)	1202M	Camshaft Bearing Set	(1)	KC-783	Cam & Lifter Kit	(8)	536NP	Cast Piston	(6)	H909P	Cast Piston
(1)	KC-708A	Cam & Lifter Kit	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	381-8059	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	221-2525S	Timing Gear Set	(1)	224-4146	Oil Pump	505-6027A			505-608A		
(1)	224-4147	Oil Pump	(6)	640P	Cast Piston	(1)	E-356K	Premium Piston Ring Set	(1)	E-219K	Premium Piston Ring Set
(4)	1108P	Cast Piston	(1)	381-8058	Brass Expansion Plug Kit	(1)	260-1004	Gasket Kit	(1)	260-1002	Gasket Kit
(1)	381-8006	Brass Expansion Plug Kit	505-6023A			(1)	1557M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set
505-6010A			(1)	E-356K	Premium Piston Ring Set	(1)	KC-808	Cam & Lifter Kit	(1)	KC-448	Cam & Lifter Kit
(1)	E-450K	Premium Piston Ring Set	(1)	260-1244	Gasket Kit	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	260-1231	Gasket Kit	(1)	1235M	Camshaft Bearing Set	(1)	224-4165C	Oil Pump	(1)	224-41146	Oil Pump
(1)	1202M	Camshaft Bearing Set	(1)	KC-766	Cam & Lifter Kit	(6)	244NP	Cast Piston	(6)	275NP	Cast Piston
(1)	KC-708A	Cam & Lifter Kit	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8012	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
(1)	221-2525S	Timing Gear Set	(8)	534NP	Cast Piston	505-603C			505-608D		
(1)	224-4147	Oil Pump	(1)	381-8007	Brass Expansion Plug Kit	(1)	E-196K	Premium Piston Ring Set	(1)	E-219K	Premium Piston Ring Set
(4)	1108P	Cast Piston	505-6024C			(1)	260-1004	Gasket Kit	(1)	260-1002	Gasket Kit
(1)	381-8006	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set	(1)	1473M	Camshaft Bearing Set	(1)	1439M	Camshaft Bearing Set
505-6011A			(1)	260-1243	Gasket Kit	(1)	KC-380	Cam & Lifter Kit	(1)	KC-658	Cam & Lifter Kit
(1)	E-432K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(1)	KT3-495SA	Timing Set - 3 Pc.	(1)	KT3-351S	Timing Set - 3 Pc.
(1)	260-1232	Gasket Kit	(1)	KC-766	Cam & Lifter Kit	(1)	224-4147	Oil Pump	(1)	224-41146	Oil Pump
(1)	1492M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(6)	H909P	Cast Piston	(6)	275NP	Cast Piston
(1)	KC-1539	Cam & Lifter Kit	(8)	534NP	Cast Piston	(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8013	Brass Expansion Plug Kit
(1)	KT3-368S	Timing Set - 3 Pc.	505-6026A			505-6036A			505-6084A		
(1)	224-4148	Oil Pump	(1)	E-356K	Premium Piston Ring Set	(1)	E-217K	Premium Piston Ring Set	(1)	E-468K	Premium Piston Ring Set
(cont'd. next column)			(1)	260-1243	Gasket Kit	(1)	260-1267	Gasket Kit	(cont'd. next page)		
			(1)	1235M	Camshaft Bearing Set	(1)	1557M	Camshaft Bearing Set			
			(1)	KC-766	Cam & Lifter Kit	(1)	KC-551	Cam & Lifter Kit			
			(1)	KT3-499S	Timing Set - 3 Pc.	(1)	221-2528S	Timing Gear Set			
			(1)	224-4146	Oil Pump	(1)	224-4147	Oil Pump			
			(8)	534NP	Cast Piston	(1)	H909P	Cast Piston			
			505-6024C			(1)	381-8006	Brass Expansion Plug Kit			
			(1)	E-356K	Premium Piston Ring Set						
			(1)	260-1243	Gasket Kit						
			(1)	1235M	Camshaft Bearing Set						
			(1)	KC-766	Cam & Lifter Kit						
			(1)	KT3-499S	Timing Set - 3 Pc.						
			(1)	224-4146	Oil Pump						
			(8)	534NP	Cast Piston						

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description			
505-6084A (cont'd.)			505-6094C (cont'd.)			505-6106A (cont'd.)			505-6114B					
(1)	260-1315	Gasket Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41100	Oil Pump	(1)	E-471K	Premium Piston Ring Set			
(1)	1496M	Camshaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(4)	489P	Cast Piston	(1)	260-1444	Gasket Kit			
(1)	KC-770	Cam & Lifter Kit	(1)	222-153	Timing Belt	505-6107A			(1)	1886M	Camshaft Bearing Set			
(1)	KT3-181S	Timing Set - 3 Pc.	(1)	224-4168	Oil Pump				(1)	E-465K	Premium Piston Ring Set			
(1)	224-43424	Oil Pump	(4)	533P	Cast Piston				(1)	260-1437	Gasket Kit			
(8)	H587P	Cast Piston	(1)	381-8050	Brass Expansion Plug Kit				(1)	1494M	Camshaft Bearing Set			
(1)	381-8057	Brass Expansion Plug Kit	505-6094D						(1)	KC-788	Cam & Lifter Kit			
505-6086C						(1)	E-453K	Premium Piston Ring Set	(1)	KT3-505S	Timing Set - 3 Pc.			
						(1)	260-1426	Gasket Kit	(1)	224-41100	Oil Pump			
						(1)	1487M	Auxiliary Shaft Bearing Set	(4)	489P	Cast Piston			
						(1)	1404M	Camshaft Bearing Set	505-6110A			(1)	E-446K	Premium Piston Ring Set
			(1)	KC-774	Cam & Lifter Kit	(1)	260-1210	Gasket Kit						
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	1843M	Camshaft Bearing Set									
(1)	224-4154G	Oil Pump	(1)	KC-787	Cam & Lifter Kit									
(8)	H518CP	Cast Piston	(1)	KT3-374S	Timing Set - 3 Pc.									
(1)	381-8009	Brass Expansion Plug Kit	505-6097A			(1)	224-41101	Oil Pump	(1)	224-43567	Oil Pump			
505-6087A						(1)	E-454K	Premium Piston Ring Set	(6)	H523P	Cast Piston			
						(1)	260-1427	Gasket Kit	(1)	381-8072	Brass Expansion Plug Kit			
						(1)	1487M	Auxiliary Shaft Bearing Set	505-6111A			(1)	E-471K	Premium Piston Ring Set
						(1)	KC-785C	Cam, Lifter & Follower Kit				(1)	260-1441	Gasket Kit
			(1)	222-132	Timing Belt	(1)	1886M	Camshaft Bearing Set						
(1)	224-4168	Oil Pump	(1)	KC-786	Cam & Lifter Kit									
(4)	533P	Cast Piston	(1)	KT3-365SA1	Timing Set - 3 Pc.									
(1)	381-8050	Brass Expansion Plug Kit	505-6098A			(1)	224-51380	Oil Pump Repair Kit	(1)	224-41118	Oil Pump			
505-6091A						(1)	E-536K	Premium Piston Ring Set	(8)	H606P	Cast Piston			
						(1)	260-1428	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit			
						(1)	1790M	Camshaft Bearing Set	505-6116A			(1)	E-251K	Premium Piston Ring Set
						(1)	KC-842	Cam & Lifter Kit				(1)	260-1446	Gasket Kit
			(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set						
(1)	224-4166	Oil Pump	(1)	KC-760	Cam & Lifter Kit									
(6)	656P	Cast Piston	(1)	KT3-163SA1	Timing Set - 3 Pc.									
505-6092A			505-6098C			(1)	224-41143	Oil Pump	(1)	224-41124	Oil Pump			
						(1)	E-536K	Premium Piston Ring Set	(8)	463P	Cast Piston			
						(1)	260-1428	Gasket Kit	(1)	381-8015	Brass Expansion Plug Kit			
						(1)	1790M	Camshaft Bearing Set	505-612C			(1)	E-229K	Premium Piston Ring Set
						(1)	KC-829	Cam & Lifter Kit				(1)	260-1006	Gasket Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1450M	Camshaft Bearing Set									
(1)	224-4166	Oil Pump	(1)	KC-1230	Cam & Lifter Kit									
(6)	656P	Cast Piston	(1)	221-2750LS	Timing Gear Set									
(1)	381-8056	Brass Expansion Plug Kit	505-6099C			(1)	224-41124	Oil Pump	(1)	224-41124	Oil Pump			
505-6093A						(1)	E-536K	Premium Piston Ring Set	(6)	352NP	Cast Piston			
						(1)	260-1429	Gasket Kit	(1)	381-8014	Brass Expansion Plug Kit			
						(1)	1790M	Camshaft Bearing Set	505-612D			(1)	E-229K	Premium Piston Ring Set
						(1)	KC-1501	Cam & Lifter Kit				(1)	260-1006	Gasket Kit
			(1)	KT3-160S	Timing Set - 3 Pc.	(1)	1450M	Camshaft Bearing Set						
(1)	224-4166	Oil Pump	(1)	KC-1230	Cam & Lifter Kit									
(6)	656P	Cast Piston	(1)	221-2750LS	Timing Gear Set									
(1)	381-8050	Brass Expansion Plug Kit	505-6103C			(1)	224-41124	Oil Pump	(1)	224-41124	Oil Pump			
505-6093C						(1)	E-470KC	Premium Piston Ring Set	(6)	1109P	Cast Piston			
						(1)	260-1205	Gasket Kit	(1)	381-8014	Brass Expansion Plug Kit			
						(1)	KC-790	Cam & Lifter Kit	505-612E			(1)	E-229K	Premium Piston Ring Set
						(1)	222-67	Timing Belt				(1)	260-1006	Gasket Kit
			(1)	224-41972	Oil Pump	(1)	1450M	Camshaft Bearing Set						
(4)	H529P	Cast Piston	(1)	KC-1230	Cam & Lifter Kit									
505-6105A			505-6113B			(1)	221-2764S	Timing Gear Set						
						(1)	E-442KC	Premium Piston Ring Set	(1)	224-41124	Oil Pump			
						(1)	260-1434	Gasket Kit	(6)	H519P	Cast Piston			
						(1)	1443M	Camshaft Bearing Set	(1)	381-8014	Brass Expansion Plug Kit			
						(1)	1460M	Auxiliary Shaft Bearing Set	505-6120A			(1)	E-446K	Premium Piston Ring Set
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	260-1222	Gasket Kit									
(1)	222-14	Timing Belt	(1)	1843M	Camshaft Bearing Set									
(1)	224-41160V	Oil Pump	(1)	KC-787	Cam & Lifter Kit									
(4)	H537P	Cast Piston	(1)	KT3-374S	Timing Set - 3 Pc.									
(1)	381-8029	Brass Expansion Plug Kit	505-6113C			(6)	H497P	Cast Piston						
505-6094A						(1)	E-471K	Premium Piston Ring Set	(1)	381-8072	Brass Expansion Plug Kit			
						(1)	260-1426	Gasket Kit	(1)	260-1443	Gasket Kit			
						(1)	1487M	Auxiliary Shaft Bearing Set	(1)	1886M	Camshaft Bearing Set			
						(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KC-786	Cam & Lifter Kit			
			(1)	222-153	Timing Belt	(1)	KT3-365SA1	Timing Set - 3 Pc.						
(1)	224-4168	Oil Pump	(1)	224-51380	Oil Pump Repair Kit	505-6121A								
(4)	H579P	Cast Piston	(6)	H523P	Cast Piston									
(1)	381-8050	Brass Expansion Plug Kit	(1)	381-8053	Brass Expansion Plug Kit									
505-6094C			505-6113C						(1)	E-471K	Premium Piston Ring Set			
									(1)	E-453K	Premium Piston Ring Set	(1)	260-1443	Gasket Kit
						(1)	260-1426	Gasket Kit	(1)	1886M	Camshaft Bearing Set			
						(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-786	Cam & Lifter Kit			
						(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-365SA1	Timing Set - 3 Pc.			
(1)	222-153	Timing Belt	(1)	224-43567	Oil Pump	505-6121A								
(1)	224-4168	Oil Pump	(6)	H523P	Cast Piston									
(4)	H579P	Cast Piston	(1)	381-8053	Brass Expansion Plug Kit									
(1)	381-8050	Brass Expansion Plug Kit	505-6121A						(1)	E-458K	Premium Piston Ring Set			
505-6094C									505-6121A			(1)	E-458K	Premium Piston Ring Set
						(1)	E-453K	Premium Piston Ring Set						
						(1)	260-1426	Gasket Kit						
						(1)	260-1426	Gasket Kit						
			(1)	260-1426	Gasket Kit									

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-6121A (cont'd.)			505-6134A (cont'd.)			505-614H			505-6151A (cont'd.)		
(1)	260-1451	Gasket Kit	(4)	H547P	Cast Piston	(1)	E-234K	Premium Piston Ring Set	(1)	381-8059	Brass Expansion Plug Kit
(1)	1204M	Camshaft Bearing Set	(1)	381-8074	Brass Expansion Plug Kit	(1)	260-1005	Gasket Kit	505-6153A		
(1)	KC-668	Cam & Lifter Kit	505-6135A			(1)	1203M	Camshaft Bearing Set	(1)	E-377K	Premium Piston Ring Set
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-384K	Premium Piston Ring Set	(1)	KC-633	Cam & Lifter Kit	(1)	260-1268	Gasket Kit
(1)	224-41118	Oil Pump	(1)	260-1462	Gasket Kit	(1)	221-2525S	Timing Gear Set	(1)	1235M	Camshaft Bearing Set
(8)	517CP	Cast Piston	(1)	1756M	Camshaft Bearing Set	(1)	224-4147	Oil Pump	(1)	KC-766	Cam & Lifter Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	KC-781	Cam & Lifter Kit	(6)	403P	Cast Piston	(1)	KT3-499S	Timing Set - 3 Pc.
505-6121C			(1)	221-2544S	Timing Gear Set	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-4146A	Oil Pump
(1)	E-458K	Premium Piston Ring Set	(4)	H547P	Cast Piston	505-6140A			(8)	550P	Cast Piston
(1)	260-1451	Gasket Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	E-533K	Premium Piston Ring Set	(1)	381-8059	Brass Expansion Plug Kit
(1)	1204M	Camshaft Bearing Set	505-6136A			(1)	260-1467	Gasket Kit	505-6155A		
(1)	KC-668	Cam & Lifter Kit	(1)	E-384K	Premium Piston Ring Set	(1)	1755M	Camshaft Bearing Set	(1)	E-384K	Premium Piston Ring Set
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	260-1463	Gasket Kit	(1)	KC-1505	Cam & Lifter Kit	(1)	260-1482	Gasket Kit
(1)	224-41118	Oil Pump	(1)	1756M	Camshaft Bearing Set	(1)	KT3-377S	Timing Set - 3 Pc.	(1)	1461M	Camshaft Bearing Set
(8)	517CP	Cast Piston	(1)	KC-781	Cam & Lifter Kit	(1)	224-51379	Oil Pump Repair Kit	(1)	KC-782	Cam & Lifter Kit
(1)	381-8015	Brass Expansion Plug Kit	(1)	221-2544S	Timing Gear Set	(6)	H564P	Cast Piston	(1)	221-2542LS	Timing Gear Set
505-6123A			(4)	H547CP	Cast Piston	505-6141A			(1)	224-41239	Oil Pump
(1)	E-296K	Premium Piston Ring Set	(1)	381-8074	Brass Expansion Plug Kit	(1)	E-532K	Premium Piston Ring Set	(4)	H547P	Cast Piston
(1)	260-1452	Gasket Kit	505-614A			(1)	260-1469	Gasket Kit	(1)	381-8074	Brass Expansion Plug Kit
(1)	1414M	Camshaft Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	1755M	Camshaft Bearing Set	505-6156A		
(1)	KC-648	Cam & Lifter Kit	(1)	260-1005	Gasket Kit	(6)	H558P	Cast Piston	(1)	E-251K	Premium Piston Ring Set
(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	1557M	Camshaft Bearing Set	(1)	381-8073	Brass Expansion Plug Kit	(1)	260-1269	Gasket Kit
(1)	224-41144	Oil Pump	(1)	KC-633	Cam & Lifter Kit	505-6141E			(1)	1235M	Camshaft Bearing Set
(8)	H582P	Cast Piston	(1)	221-2525S	Timing Gear Set	(1)	E-532K	Premium Piston Ring Set	(1)	KC-274	Cam & Lifter Kit
505-6124A			(1)	224-4147	Oil Pump	(1)	260-1469	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	E-296K	Premium Piston Ring Set	(6)	403P	Cast Piston	(1)	1755M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
(1)	260-1453	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	KT3-381S	Timing Set - 3 Pc.	(8)	423NP	Cast Piston
(1)	1414M	Camshaft Bearing Set	505-614C			(6)	H558P	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	KC-648	Cam & Lifter Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8073	Brass Expansion Plug Kit	505-6156C		
(1)	KT3-168SA2	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit	505-6148A			(1)	E-251K	Premium Piston Ring Set
(1)	224-41144	Oil Pump	(1)	1557M	Camshaft Bearing Set	(1)	E-288K	Premium Piston Ring Set	(1)	260-1269	Gasket Kit
(8)	H582P	Cast Piston	(1)	KC-633	Cam & Lifter Kit	(1)	260-1477	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	381-8018	Brass Expansion Plug Kit	(1)	221-2528S	Timing Gear Set	(1)	1466M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
505-613C			(1)	224-4147	Oil Pump	(1)	KC-758	Cam & Lifter Kit	(1)	KT3-45R46	Timing Set - 3 Pc.
(1)	E-233K	Premium Piston Ring Set	(6)	403P	Cast Piston	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	260-1009	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-41203	Oil Pump	(8)	423NP	Cast Piston
(1)	1404M	Camshaft Bearing Set	505-614D			(8)	H801CP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	KC-660	Cam & Lifter Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8020	Brass Expansion Plug Kit	505-6156D		
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit	505-6148D			(1)	E-251K	Premium Piston Ring Set
(1)	224-4154	Oil Pump	(1)	1203M	Camshaft Bearing Set	(1)	E-288K	Premium Piston Ring Set	(1)	260-1269	Gasket Kit
(8)	H661CP	Cast Piston	(1)	KC-633	Cam & Lifter Kit	(1)	260-1477	Gasket Kit	(1)	1235M	Camshaft Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	221-2525S	Timing Gear Set	(1)	1466M	Camshaft Bearing Set	(1)	KC-274	Cam & Lifter Kit
505-613E			(1)	224-4147	Oil Pump	(1)	KC-850	Cam & Lifter Kit	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	E-233K	Premium Piston Ring Set	(6)	1107P	Cast Piston	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	224-4146	Oil Pump
(1)	260-1009	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-41203	Oil Pump	(8)	423NP	Cast Piston
(1)	1404M	Camshaft Bearing Set	505-614E			(8)	H801CP	Cast Piston	(1)	381-8059	Brass Expansion Plug Kit
(1)	KC-774	Cam & Lifter Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8020	Brass Expansion Plug Kit	505-616A		
(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit	505-615A			(1)	E-234K	Premium Piston Ring Set
(1)	224-4154	Oil Pump	(1)	1203M	Camshaft Bearing Set	(1)	E-234K	Premium Piston Ring Set	(1)	260-1037	Gasket Kit
(8)	H661CP	Cast Piston	(1)	KC-633	Cam & Lifter Kit	(1)	260-1019	Gasket Kit	(1)	1557M	Camshaft Bearing Set
(1)	381-8009	Brass Expansion Plug Kit	(1)	221-2525S	Timing Gear Set	(1)	1557M	Camshaft Bearing Set	(1)	KC-677	Cam & Lifter Kit
505-6131A			(1)	224-4147	Oil Pump	(1)	KC-677	Cam & Lifter Kit	(1)	221-2540S	Timing Gear Set
(1)	E-531K	Premium Piston Ring Set	(6)	403P	Cast Piston	(1)	221-2540S	Timing Gear Set	(1)	224-4147	Oil Pump
(1)	260-1227	Gasket Kit	(1)	381-8006	Brass Expansion Plug Kit	(1)	224-4147	Oil Pump	(6)	403P	Cast Piston
(1)	1485M	Camshaft Bearing Set	505-614F			(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8006	Brass Expansion Plug Kit
(1)	KC-811	Cam & Lifter Kit	(1)	E-234K	Premium Piston Ring Set	505-615E			505-618A		
(1)	KT3-370S	Timing Set - 3 Pc.	(1)	260-1005	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set
(1)	224-4151	Oil Pump	(1)	1557M	Camshaft Bearing Set	(1)	260-1019	Gasket Kit	(1)	260-1016	Gasket Kit
(4)	569P	Cast Piston	(1)	KC-633	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
505-6132C			(1)	221-2540S	Timing Gear Set	(1)	KC-633	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	E-535K	Premium Piston Ring Set	(1)	224-4147	Oil Pump	(1)	221-2540S	Timing Gear Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	260-1460	Gasket Kit	(6)	403P	Cast Piston	(1)	224-4147	Oil Pump	(1)	224-4146	Oil Pump
(1)	KC-831	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(6)	403P	Cast Piston	(8)	400AP	Cast Piston
(1)	KC-832	Cam & Lifter Kit	505-614G			(1)	381-8006	Brass Expansion Plug Kit	(1)	381-8008	Brass Expansion Plug Kit
(1)	KT3-D130SA	Timing Set - 3 Pc.	(1)	E-234K	Premium Piston Ring Set	505-615E			505-618C		
(1)	224-43435	Oil Pump	(1)	260-1005	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	E-243K	Premium Piston Ring Set
(4)	H566P	Cast Piston	(1)	1557M	Camshaft Bearing Set	(1)	260-1019	Gasket Kit	(1)	260-1016	Gasket Kit
505-6134A			(1)	KC-677	Cam & Lifter Kit	(1)	1235M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	E-384K	Premium Piston Ring Set	(1)	221-2540S	Timing Gear Set	(1)	KC-808	Cam & Lifter Kit	(1)	KC-274	Cam & Lifter Kit
(1)	260-1464	Gasket Kit	(1)	224-4147	Oil Pump	(1)	KT3-499SA3	Timing Set - 3 Pc.	(1)	KT3-163S	Timing Set - 3 Pc.
(1)	1461M	Camshaft Bearing Set	(6)	403P	Cast Piston	(1)	224-4146A	Oil Pump	(1)	224-4146	Oil Pump
(1)	KC-782	Cam & Lifter Kit	(1)	381-8006	Brass Expansion Plug Kit	(8)	550P	Cast Piston	(8)	400AP	Cast Piston
(1)	221-2542LS	Timing Gear Set	(cont'd. next column)			(cont'd. next column)			(1)	381-8008	Brass Expansion Plug Kit

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-6183A			505-619E (cont'd.)			505-6217A			505-625C (cont'd.)		
(1)	E-605K	Premium Piston Ring Set	(1)	224-4149	Oil Pump	(1)	E-454K	Premium Piston Ring Set	(1)	KC-674	Cam & Lifter Kit
(1)	260-1233	Gasket Kit	(8)	235NP	Cast Piston	(1)	260-1616	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	1492M	Camshaft Bearing Set	(1)	381-8007	Brass Expansion Plug Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-41143	Oil Pump
(1)	KC-1539	Cam & Lifter Kit	505-619F			(1)	KC-785C	Cam, Lifter & Follower Kit	(8)	416P	Cast Piston
(1)	KT3-372S	Timing Set - 3 Pc.	(1)	E-245K	Premium Piston Ring Set	(1)	222-153	Timing Belt	(1)	381-8015	Brass Expansion Plug Kit
(1)	224-4148	Oil Pump	(1)	260-1000	Gasket Kit	(1)	224-4168	Oil Pump	505-625D		
(6)	H561P	Cast Piston	(1)	1235M	Camshaft Bearing Set	(4)	527P	Cast Piston	(1)	E-251K	Premium Piston Ring Set
505-6184A			(1)	KC-274	Cam & Lifter Kit	(1)	381-8050	Brass Expansion Plug Kit	(1)	260-1028	Gasket Kit
(1)	E-605K	Premium Piston Ring Set	(1)	KT3-499S	Timing Set - 3 Pc.	505-622C			(1)	1204M	Camshaft Bearing Set
(1)	260-1466	Gasket Kit	(1)	224-4146	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	KC-674	Cam & Lifter Kit
(1)	1492M	Camshaft Bearing Set	(8)	235NP	Cast Piston	(1)	260-1033	Gasket Kit	(1)	KT3-358S	Timing Set - 3 Pc.
(1)	KC-715	Cam & Lifter Kit	(1)	381-8007	Brass Expansion Plug Kit	(1)	1484M	Camshaft Bearing Set	(1)	224-41143	Oil Pump
(1)	KT3-372S	Timing Set - 3 Pc.	505-619G			(1)	KC-665	Cam & Lifter Kit	(8)	336P	Cast Piston
(6)	H562CP	Cast Piston	(1)	E-245K	Premium Piston Ring Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	381-8015	Brass Expansion Plug Kit
505-6184B			(1)	260-1000	Gasket Kit	(1)	224-4166	Oil Pump	505-6250A		
(1)	E-605K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	(8)	405P	Cast Piston	(1)	E-251K	Premium Piston Ring Set
(1)	260-1466	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	260-1169	Gasket Kit
(1)	1492M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	505-6222A			(1)	1204M	Camshaft Bearing Set
(1)	KC-715	Cam & Lifter Kit	(1)	224-4149	Oil Pump	(1)	E-532K	Premium Piston Ring Set	(1)	KC-668	Cam & Lifter Kit
(1)	KT3-372S	Timing Set - 3 Pc.	(8)	235NP	Cast Piston	(1)	260-1566	Gasket Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
(1)	224-4152	Oil Pump	(1)	381-8007	Brass Expansion Plug Kit	(1)	1755M	Camshaft Bearing Set	(1)	224-41118	Oil Pump
(6)	H562CP	Cast Piston	505-620A			(1)	KT3-381S	Timing Set - 3 Pc.	(8)	H654P	Cast Piston
(1)	381-8085	Brass Expansion Plug Kit	(1)	E-245K	Premium Piston Ring Set	(6)	H558P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit
505-6184C			(1)	260-1000	Gasket Kit	(1)	381-8073	Brass Expansion Plug Kit	505-6251A		
(1)	E-605K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set	505-624G			(1)	E-251K	Premium Piston Ring Set
(1)	260-1466	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	(1)	E-251K	Premium Piston Ring Set	(1)	260-1451	Gasket Kit
(1)	1492M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.	(1)	260-1014	Gasket Kit	(1)	1204M	Camshaft Bearing Set
(1)	KC-1539	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	1403M	Camshaft Bearing Set	(1)	KC-668	Cam & Lifter Kit
(1)	KT3-368S	Timing Set - 3 Pc.	(8)	295P	Cast Piston	(1)	KC-667	Cam & Lifter Kit	(1)	KT3-358SA	Timing Set - 3 Pc.
(6)	H562CP	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	224-41118	Oil Pump
505-6186A			505-6205B			(1)	224-41166	Oil Pump	(8)	H654P	Cast Piston
(1)	E-476K	Premium Piston Ring Set	(1)	E-454K	Premium Piston Ring Set	(8)	451P	Cast Piston	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1526	Gasket Kit	(1)	260-1616	Gasket Kit	505-624J			505-6251C		
(1)	1443M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	260-1014	Gasket Kit	(1)	260-1451	Gasket Kit
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	222-153	Timing Belt	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	222-14	Timing Belt	(1)	224-4168	Oil Pump	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	224-41160	Oil Pump	(4)	571CP	Cast Piston	(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(4)	H491P	Cast Piston	505-6205C			(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump
(1)	381-8029	Brass Expansion Plug Kit	(1)	E-454K	Premium Piston Ring Set	(8)	451P	Cast Piston	(8)	H654P	Cast Piston
505-619A			(1)	260-1616	Gasket Kit	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	E-245K	Premium Piston Ring Set	(1)	1487M	Auxiliary Shaft Bearing Set	505-624M			505-6253A		
(1)	260-1000	Gasket Kit	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	E-251K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	1145M	Camshaft Bearing Set	(1)	222-153	Timing Belt	(1)	260-1014	Gasket Kit	(1)	260-1559	Gasket Kit
(1)	KC-274	Cam & Lifter Kit	(1)	224-4168	Oil Pump	(1)	1403M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	KT3-489S	Timing Set - 3 Pc.	(4)	527P	Cast Piston	(1)	KC-667	Cam & Lifter Kit	(1)	KC-668	Cam & Lifter Kit
(1)	224-4146	Oil Pump	505-6206A			(1)	KT3-498SA2	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(8)	235NP	Cast Piston	(1)	E-529K	Premium Piston Ring Set	(1)	224-41166	Oil Pump	(1)	224-41118	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1646	Gasket Kit	(8)	427P	Cast Piston	(8)	H654P	Cast Piston
505-619C			(1)	1809M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	E-245K	Premium Piston Ring Set	(1)	KC-1503	Cam & Lifter Kit	505-624P			505-6257A		
(1)	260-1000	Gasket Kit	(1)	KT3-388S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	E-468K	Premium Piston Ring Set
(1)	1145M	Camshaft Bearing Set	(1)	224-51384	Oil Pump Repair Kit	(1)	260-1014	Gasket Kit	(1)	260-1619	Gasket Kit
(1)	KC-273	Cam & Lifter Kit	(1)	574CP	Cast Piston	(1)	1403M	Camshaft Bearing Set	(1)	1496M	Camshaft Bearing Set
(1)	KT3-489S	Timing Set - 3 Pc.	(1)	381-8060	Brass Expansion Plug Kit	(1)	KC-667	Cam & Lifter Kit	(1)	KC-770	Cam & Lifter Kit
(1)	224-4146	Oil Pump	505-6212A			(1)	KT3-494SA2	Timing Set - 3 Pc.	(1)	KT3-181S	Timing Set - 3 Pc.
(8)	235NP	Cast Piston	(1)	E-446K	Premium Piston Ring Set	(1)	224-41166	Oil Pump	(1)	224-43424	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1556	Gasket Kit	(8)	427P	Cast Piston	(8)	H587P	Cast Piston
505-619D			(1)	1843M	Camshaft Bearing Set	(1)	381-8016	Brass Expansion Plug Kit	(1)	381-8057	Brass Expansion Plug Kit
(1)	E-245K	Premium Piston Ring Set	(1)	KC-787	Cam & Lifter Kit	505-625A			505-6263A		
(1)	260-1000	Gasket Kit	(1)	KT3-374S	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	E-613K	Premium Piston Ring Set
(1)	1235M	Camshaft Bearing Set	(6)	H497P	Cast Piston	(1)	260-1028	Gasket Kit	(1)	260-1652	Gasket Kit
(1)	KC-274	Cam & Lifter Kit	(1)	381-8072	Brass Expansion Plug Kit	(1)	1204M	Camshaft Bearing Set	(1)	1844M	Camshaft Bearing Set
(1)	KT3-489S	Timing Set - 3 Pc.	505-6215A			(1)	KC-674	Cam & Lifter Kit	(1)	KC-1511	Cam & Lifter Kit
(1)	224-4146	Oil Pump	(1)	E-458K	Premium Piston Ring Set	(1)	KT3-358S	Timing Set - 3 Pc.	(1)	KT3-64S	Timing Set - 3 Pc.
(8)	235NP	Cast Piston	(1)	260-1559	Gasket Kit	(1)	224-41143	Oil Pump	(1)	224-43431	Oil Pump
(1)	381-8007	Brass Expansion Plug Kit	(1)	1204M	Camshaft Bearing Set	(8)	416P	Cast Piston	(6)	H570P	Cast Piston
505-619E			(1)	KC-668	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	505-6264A		
(1)	E-245K	Premium Piston Ring Set	(1)	KT3-163SA1	Timing Set - 3 Pc.	505-625C			(1)	E-613K	Premium Piston Ring Set
(1)	260-1000	Gasket Kit	(1)	224-41118	Oil Pump	(1)	E-251K	Premium Piston Ring Set	(1)	260-1652	Gasket Kit
(1)	1235M	Camshaft Bearing Set	(8)	517CP	Cast Piston	(1)	260-1028	Gasket Kit	(1)	1844M	Camshaft Bearing Set
(1)	KC-274	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit	(1)	1204M	Camshaft Bearing Set	(1)	KC-1510	Cam & Lifter Kit
(1)	KT3-489S	Timing Set - 3 Pc.	(cont'd. next column)			(cont'd. next column)			(1)	KT3-64S	Timing Set - 3 Pc.
(cont'd. next column)			(cont'd. next column)			(cont'd. next column)			(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-6264A (cont'd.)			505-632G			505-637C (cont'd.)			505-6382A (cont'd.)		
(1)	224-43431	Oil Pump	(1)	E-424K	Premium Piston Ring Set	(1)	1414M	Camshaft Bearing Set	(1)	224-51379	Oil Pump Repair Kit
(6)	H570P	Cast Piston	(1)	260-1001	Gasket Kit	(1)	KC-648	Cam & Lifter Kit	(6)	H558P	Cast Piston
505-627A			(1)	1453M	Camshaft Bearing Set	(1)	KT3-491S	Timing Set - 3 Pc.	505-639C		
(1)	E-251K	Premium Piston Ring Set	(1)	KC-327	Cam & Lifter Kit	(1)	224-41139	Oil Pump	(1)	E-297K	Premium Piston Ring Set
(1)	260-1126	Gasket Kit	(1)	KT3-501S	Timing Set - 3 Pc.	(8)	413AP	Cast Piston	(1)	260-1008	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-4174	Oil Pump	(1)	381-8018	Brass Expansion Plug Kit	(1)	1234M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(8)	424P	Cast Piston	505-637D			(1)	KC-707	Cam & Lifter Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	381-8011	Brass Expansion Plug Kit	(1)	E-296K	Premium Piston Ring Set	(1)	KT3-498SA3	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	505-6329A			(1)	260-1013	Gasket Kit	(1)	224-41203	Oil Pump
(8)	416P	Cast Piston	(1)	E-528KC	Premium Piston Ring Set	(1)	1414M	Camshaft Bearing Set	(8)	332AP	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1432	Gasket Kit	(1)	KC-648	Cam & Lifter Kit	(1)	381-8020	Brass Expansion Plug Kit
505-627C			(1)	KC-864	Cam & Lifter Kit	(1)	KT3-491SA	Timing Set - 3 Pc.	505-640E		
(1)	E-251K	Premium Piston Ring Set	(1)	KC-865	Cam & Lifter Kit	(1)	224-41139	Oil Pump	(1)	E-299K	Premium Piston Ring Set
(1)	260-1126	Gasket Kit	(1)	222-139	Timing Belt	(8)	H418P	Cast Piston	(1)	260-1025	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(1)	224-42000	Oil Pump	(1)	381-8018	Brass Expansion Plug Kit	(1)	1220M	Camshaft Bearing Set
(1)	KC-674	Cam & Lifter Kit	(6)	H834CP	Cast Piston	505-637E			(1)	KC-690C	Cam & Lifter Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	505-633A			(1)	E-296K	Premium Piston Ring Set	(1)	KT3-350S	Timing Set - 3 Pc.
(1)	224-41143	Oil Pump	(1)	E-288K	Premium Piston Ring Set	(1)	260-1013	Gasket Kit	(1)	224-43364S	Oil Pump
(8)	463P	Cast Piston	(1)	260-1124	Gasket Kit	(1)	1414M	Camshaft Bearing Set	(8)	411NP	Cast Piston
(1)	381-8015	Brass Expansion Plug Kit	(1)	1466M	Camshaft Bearing Set	(1)	KC-648	Cam & Lifter Kit	(1)	381-8021	Brass Expansion Plug Kit
505-627D			(1)	KC-707	Cam & Lifter Kit	(1)	KT3-491S	Timing Set - 3 Pc.	505-646A		
(1)	E-251K	Premium Piston Ring Set	(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	224-41139	Oil Pump	(1)	E-352K	Premium Piston Ring Set
(1)	260-1126	Gasket Kit	(1)	224-41203	Oil Pump	(8)	H418P	Cast Piston	(1)	260-1018	Gasket Kit
(1)	1204M	Camshaft Bearing Set	(8)	472NP	Cast Piston	(1)	381-8018	Brass Expansion Plug Kit	(1)	1443M	Camshaft Bearing Set
(1)	KC-764	Cam & Lifter Kit	(1)	381-8020	Brass Expansion Plug Kit	505-637F			(1)	1460M	Auxiliary Shaft Bearing Set
(1)	KT3-163SA	Timing Set - 3 Pc.	505-6339B			(1)	E-296K	Premium Piston Ring Set	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	224-41143	Oil Pump	(1)	E-471K	Premium Piston Ring Set	(1)	260-1013	Gasket Kit	(1)	222-14	Timing Belt
(8)	463P	Cast Piston	(1)	260-1612	Gasket Kit	(1)	1414M	Camshaft Bearing Set	(1)	224-41160	Oil Pump
(1)	381-8015	Brass Expansion Plug Kit	(1)	1886M	Camshaft Bearing Set	(1)	KC-648	Cam & Lifter Kit	(4)	H435P	Cast Piston
505-630A			(1)	KC-861	Cam & Lifter Kit	(1)	KT3-491S	Timing Set - 3 Pc.	(1)	381-8029	Brass Expansion Plug Kit
(1)	E-251K	Premium Piston Ring Set	(1)	KT3-365SA1	Timing Set - 3 Pc.	(1)	224-41144	Oil Pump	505-647A		
(1)	260-1000	Gasket Kit	(1)	224-43567	Oil Pump	(8)	H418P	Cast Piston	(1)	E-356K	Premium Piston Ring Set
(1)	1235M	Camshaft Bearing Set	(6)	H675CP	Cast Piston	(1)	381-8018	Brass Expansion Plug Kit	(1)	260-1023	Gasket Kit
(1)	KC-274	Cam & Lifter Kit	(1)	381-8053	Brass Expansion Plug Kit	505-6373A			(1)	1235M	Camshaft Bearing Set
(1)	KT3-499S	Timing Set - 3 Pc.	505-634A			(1)	E-384K	Premium Piston Ring Set	(1)	KC-673	Cam & Lifter Kit
(1)	224-4146	Oil Pump	(1)	E-288K	Premium Piston Ring Set	(1)	260-1563	Gasket Kit	(1)	KT3-499S	Timing Set - 3 Pc.
(8)	310NP	Cast Piston	(1)	260-1012	Gasket Kit	(1)	1461M	Camshaft Bearing Set	(1)	224-4146	Oil Pump
505-630C			(1)	1422M	Camshaft Bearing Set	(1)	KC-1507	Cam & Lifter Kit	(8)	454NP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	KC-647	Cam & Lifter Kit	(1)	221-2542LS	Timing Gear Set	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	KT3-359S	Timing Set - 3 Pc.	(4)	H547CP	Cast Piston	505-648A		
(1)	1235M	Camshaft Bearing Set	(1)	224-518	Oil Pump Repair Kit	(1)	381-8074	Brass Expansion Plug Kit	(1)	E-356K	Premium Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(8)	657P 30	Cast Piston	505-6374A			(1)	260-1024	Gasket Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8002	Brass Expansion Plug Kit	(1)	E-384K	Premium Piston Ring Set	(1)	1235M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	505-634C			(1)	260-1463	Gasket Kit	(1)	KC-711	Cam & Lifter Kit
(8)	423NP	Cast Piston	(1)	E-288K	Premium Piston Ring Set	(1)	1756M	Camshaft Bearing Set	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1012	Gasket Kit	(1)	KC-1518	Cam & Lifter Kit	(1)	224-4146	Oil Pump
505-630D			(1)	1422M	Camshaft Bearing Set	(1)	KT3-378S	Timing Set - 3 Pc.	(8)	454NP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	KC-676	Cam & Lifter Kit	(4)	H547CP	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	KT3-359S	Timing Set - 3 Pc.	505-6377			505-648D		
(1)	1235M	Camshaft Bearing Set	(1)	224-518	Oil Pump Repair Kit	(1)	E-178K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(8)	657P 30	Cast Piston	(1)	260-1430	Gasket Kit	(1)	260-1024	Gasket Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8002	Brass Expansion Plug Kit	(1)	1484M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	505-6369			(1)	KC-1565	Cam & Lifter Kit	(1)	KC-711	Cam & Lifter Kit
(8)	345NP	Cast Piston	(1)	E-536K	Premium Piston Ring Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1429	Gasket Kit	(1)	224-4166	Oil Pump	(1)	224-4146	Oil Pump
505-630E			(1)	1790M	Camshaft Bearing Set	(8)	526P	Cast Piston	(8)	534NP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	KC-1501	Cam & Lifter Kit	(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8007	Brass Expansion Plug Kit
(1)	260-1000	Gasket Kit	(1)	KT3-380S	Timing Set - 3 Pc.	505-6379			505-650E		
(1)	1235M	Camshaft Bearing Set	(1)	224-4166	Oil Pump	(1)	E-605K	Premium Piston Ring Set	(1)	E-369K	Premium Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(6)	656P	Cast Piston	(1)	260-1466	Gasket Kit	(1)	260-1032	Gasket Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	381-8061	Brass Expansion Plug Kit	(1)	1492M	Camshaft Bearing Set	(1)	1462M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	505-637A			(1)	KC-715	Cam & Lifter Kit	(1)	KC-702	Cam & Lifter Kit
(8)	H951P 30	Cast Piston	(1)	E-296K	Premium Piston Ring Set	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-359SA1	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	260-1013	Gasket Kit	(1)	224-4148	Oil Pump	(1)	224-518	Oil Pump Repair Kit
505-630F			(1)	1414M	Camshaft Bearing Set	(6)	H562CP	Cast Piston	(6)	450NP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	KC-648	Cam & Lifter Kit	(1)	381-8085	Brass Expansion Plug Kit	(1)	381-8035	Brass Expansion Plug Kit
(1)	1235M	Camshaft Bearing Set	(1)	KT3-491SA	Timing Set - 3 Pc.	505-6382A			505-653A		
(1)	KC-274	Cam & Lifter Kit	(1)	224-41139	Oil Pump	(1)	E-532K	Premium Piston Ring Set	(1)	E-251K	Premium Piston Ring Set
(1)	KT3-163S	Timing Set - 3 Pc.	(8)	413AP	Cast Piston	(1)	260-1566	Gasket Kit	(1)	260-1125	Gasket Kit
(1)	224-4146	Oil Pump	(1)	381-8018	Brass Expansion Plug Kit	(1)	1755M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(8)	423NP	Cast Piston	505-637C			(1)	KC-1506	Cam & Lifter Kit	(1)	KC-560	Cam & Lifter Kit
(1)	381-8007	Brass Expansion Plug Kit	(1)	E-296K	Premium Piston Ring Set	(1)	KT3-381S	Timing Set - 3 Pc.	(1)	KT3-356S	Timing Set - 3 Pc.
			(1)	260-1013	Gasket Kit				(1)	224-41118	Oil Pump
			(cont'd. next column)						(cont'd. next page)		

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-653A (cont'd.)			505-658C (cont'd.)			505-686C (cont'd.)			505-7003 (cont'd.)		
(8)	272AP	Cast Piston	(1)	381-8007	Brass Expansion Plug Kit	(1)	KC-636	Cam & Lifter Kit	(1)	KT3-372S	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	505-660A			(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	224-4152	Oil Pump
505-653D			(1)	E-233K	Premium Piston Ring Set	(8)	460P	Cast Piston	(6)	H561CP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	260-1046	Gasket Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	381-8085	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	(1)	1404M	Camshaft Bearing Set	505-692A			505-7012		
(1)	1204M	Camshaft Bearing Set	(1)	KC-774	Cam & Lifter Kit	(1)	E-414K	Premium Piston Ring Set	(1)	E-229K	Premium Piston Ring Set
(1)	KC-560	Cam & Lifter Kit	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	260-1101	Gasket Kit	(1)	260-1240	Gasket Kit
(1)	KT3-358S	Timing Set - 3 Pc.	(8)	H661CP	Cast Piston	(1)	1463M	Camshaft Bearing Set	(1)	1463M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-712	Cam & Lifter Kit	(1)	KC-783	Cam & Lifter Kit
(8)	272AP	Cast Piston	505-661A			(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KT3-499SA6	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	E-243K	Premium Piston Ring Set	(1)	224-4146	Oil Pump	(1)	224-4146	Oil Pump
505-653F			(1)	260-1009	Gasket Kit	(6)	698P 30	Cast Piston	(6)	645P	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	1404M	Camshaft Bearing Set	(1)	381-8049	Brass Expansion Plug Kit	(1)	381-8058	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	(1)	KC-774	Cam & Lifter Kit	505-695A			505-7021		
(1)	1204M	Camshaft Bearing Set	(1)	KT3-501SA	Timing Set - 3 Pc.	(1)	E-378K	Premium Piston Ring Set	(1)	E-356K	Premium Piston Ring Set
(1)	KC-560	Cam & Lifter Kit	(1)	224-4154	Oil Pump	(1)	260-1104	Gasket Kit	(1)	260-1246	Gasket Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(8)	402P	Cast Piston	(1)	1466M	Camshaft Bearing Set	(1)	1235M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	381-8009	Brass Expansion Plug Kit	(1)	KC-707	Cam & Lifter Kit	(1)	KC-711	Cam & Lifter Kit
(8)	272AP	Cast Piston	505-662A			(1)	KT3-498SA3	Timing Set - 3 Pc.	(1)	KT3-499S	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	E-251K	Premium Piston Ring Set	(1)	224-41203	Oil Pump	(1)	224-43469	Oil Pump
505-653G			(1)	260-1000	Gasket Kit	(8)	466NP	Cast Piston	(8)	536NP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	1145M	Camshaft Bearing Set	(1)	381-8047	Brass Expansion Plug Kit	(1)	381-8059	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	(1)	KC-274	Cam & Lifter Kit	505-699A			505-7028		
(1)	1204M	Camshaft Bearing Set	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	E-411K	Premium Piston Ring Set	(1)	E-233K	Premium Piston Ring Set
(1)	KC-668	Cam & Lifter Kit	(1)	224-4146	Oil Pump	(1)	260-1123	Gasket Kit	(1)	260-1418	Gasket Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(8)	310NP	Cast Piston	(1)	1492M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	505-662C			(1)	KC-715	Cam & Lifter Kit	(1)	KC-774	Cam & Lifter Kit
(8)	272AP	Cast Piston	(1)	E-251K	Premium Piston Ring Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-507S	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	260-1000	Gasket Kit	(1)	224-4148	Oil Pump	(1)	224-4154G	Oil Pump
505-653H			(1)	1235M	Camshaft Bearing Set	(6)	464P	Cast Piston	(8)	H518CP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	KC-274	Cam & Lifter Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	(1)	KT3-489S	Timing Set - 3 Pc.	505-699C			505-7032		
(1)	1204M	Camshaft Bearing Set	(8)	310NP	Cast Piston	(1)	E-411K	Premium Piston Ring Set	(1)	E-465K	Premium Piston Ring Set
(1)	KC-668	Cam & Lifter Kit	505-662E			(1)	260-1123	Gasket Kit	(1)	260-1437	Gasket Kit
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	E-251K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	1494M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	260-1000	Gasket Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-788	Cam & Lifter Kit
(8)	273AP	Cast Piston	(1)	1235M	Camshaft Bearing Set	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-505S	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	KC-274	Cam & Lifter Kit	(1)	224-4148	Oil Pump	(1)	224-41100	Oil Pump
505-653J			(1)	KT3-489S	Timing Set - 3 Pc.	(6)	464P	Cast Piston	(4)	489P	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(8)	310NP	Cast Piston	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8063	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	505-662F			505-7000			505-7033		
(1)	1204M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set	(1)	E-605K	Premium Piston Ring Set	(1)	E-446K	Premium Piston Ring Set
(1)	KC-560	Cam & Lifter Kit	(1)	260-1000	Gasket Kit	(1)	260-1466	Gasket Kit	(1)	260-1556	Gasket Kit
(1)	KT3-356S	Timing Set - 3 Pc.	(1)	1235M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1843M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	KC-274	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-787	Cam & Lifter Kit
(8)	273AP	Cast Piston	(1)	KT3-489S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-374S	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(1)	224-4149	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-43636S	Oil Pump
505-653L			(8)	310NP	Cast Piston	(6)	H562CP	Cast Piston	(6)	H497P	Cast Piston
(1)	E-251K	Premium Piston Ring Set	505-683C			(1)	381-8085	Brass Expansion Plug Kit	(1)	381-8072	Brass Expansion Plug Kit
(1)	260-1125	Gasket Kit	(1)	E-251K	Premium Piston Ring Set	505-7001			505-7044		
(1)	1204M	Camshaft Bearing Set	(1)	260-1095	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	(1)	E-458K	Premium Piston Ring Set
(1)	KC-560	Cam & Lifter Kit	(1)	1484M	Camshaft Bearing Set	(1)	260-1466	Gasket Kit	(1)	260-1445	Gasket Kit
(1)	KT3-358S	Timing Set - 3 Pc.	(1)	KC-665	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	1204M	Camshaft Bearing Set
(1)	224-41118	Oil Pump	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-759	Cam & Lifter Kit
(8)	273AP	Cast Piston	(1)	224-4166	Oil Pump	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-163SA1	Timing Set - 3 Pc.
(1)	381-8015	Brass Expansion Plug Kit	(8)	405P	Cast Piston	(1)	224-4152	Oil Pump	(1)	224-41118	Oil Pump
505-658A			(1)	381-8010	Brass Expansion Plug Kit	(6)	H562CP	Cast Piston	(8)	506P	Cast Piston
(1)	E-251K	Premium Piston Ring Set	505-686A			(1)	381-8085	Brass Expansion Plug Kit	(1)	381-8015	Brass Expansion Plug Kit
(1)	260-1045	Gasket Kit	(1)	E-232K	Premium Piston Ring Set	505-7002			505-7050		
(1)	1235M	Camshaft Bearing Set	(1)	260-1009	Gasket Kit	(1)	E-605K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	(1)	1255M	Camshaft Bearing Set	(1)	260-1233	Gasket Kit	(1)	260-1192	Gasket Kit
(1)	KT3-499S	Timing Set - 3 Pc.	(1)	KC-636	Cam & Lifter Kit	(1)	1492M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	(1)	224-4154	Oil Pump	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-779	Cam & Lifter Kit
(8)	423NP	Cast Piston	(1)	460P	Cast Piston	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	KT3-3SR64S	Timing Set - 3 Pc.
(1)	381-8007	Brass Expansion Plug Kit	(1)	381-8009	Brass Expansion Plug Kit	(1)	224-4148	Oil Pump	(1)	224-41198	Oil Pump
505-658C			505-686C			(6)	H561CP	Cast Piston	(4)	525CP	Cast Piston
(1)	E-251K	Premium Piston Ring Set	(1)	E-232K	Premium Piston Ring Set	(1)	381-8085	Brass Expansion Plug Kit	(1)	381-8086	Brass Expansion Plug Kit
(1)	260-1045	Gasket Kit	(1)	260-1009	Gasket Kit	505-7003			505-7053		
(1)	1235M	Camshaft Bearing Set	(1)	1404M	Camshaft Bearing Set	(1)	E-605K	Premium Piston Ring Set	(1)	E-234K	Premium Piston Ring Set
(1)	KC-274	Cam & Lifter Kit	505-686C			(1)	260-1233	Gasket Kit	(1)	260-1424	Gasket Kit
(1)	KT3-163S	Timing Set - 3 Pc.	(1)	E-232K	Premium Piston Ring Set	(1)	1492M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set
(1)	224-4146	Oil Pump	(1)	260-1009	Gasket Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	KC-809	Cam & Lifter Kit
(8)	423NP	Cast Piston	(1)	1404M	Camshaft Bearing Set	505-7003			(1)	KT3-4SR48	Timing Set - 3 Pc.
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Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-7053 (cont'd.)			505-716A (cont'd.)			505-724A (cont'd.)			505-743A (cont'd.)		
(1)	224-41198	Oil Pump	(1)	1244M	Camshaft Bearing Set	(1)	KT3-359SA1	Timing Set - 3 Pc.	(1)	224-4166	Oil Pump
(6)	677CP	Cast Piston	(1)	KC-713	Cam & Lifter Kit	(1)	224-518	Oil Pump Repair Kit	(8)	285NP	Cast Piston
(1)	381-8084	Brass Expansion Plug Kit	(1)	KT3-494S	Timing Set - 3 Pc.	(6)	450NP	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit
505-7057			505-717C			505-727C			505-744C		
(1)	E-454K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set
(1)	260-1427	Gasket Kit	(1)	260-1153	Gasket Kit	(1)	260-1143	Gasket Kit	(1)	260-1154	Gasket Kit
(1)	1840M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1484M	Camshaft Bearing Set
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit	(1)	KC-645	Cam & Lifter Kit
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT3-361S	Timing Set - 3 Pc.
(1)	222-153	Timing Belt	(1)	224-4166	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-4166	Oil Pump
(1)	224-4168	Oil Pump	(8)	285NP	Cast Piston	(6)	516P	Cast Piston	(8)	285NP	Cast Piston
(4)	527P	Cast Piston	(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8010	Brass Expansion Plug Kit
(1)	381-8050	Brass Expansion Plug Kit	505-718A			505-728C			505-746C		
505-7058			(1)	E-178K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	(1)	E-425KC 1.00MM	Premium Piston Ring Set
(1)	E-454K	Premium Piston Ring Set	(1)	260-1152	Gasket Kit	(1)	260-1144	Gasket Kit	(1)	260-1156	Gasket Kit
(1)	260-1616	Gasket Kit	(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	CS-769	Camshaft
(1)	1840M	Camshaft Bearing Set	(1)	KC-645	Cam & Lifter Kit	(1)	KC-715	Cam & Lifter Kit	(1)	KT-1013S	Timing Set - Complete
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KT-1014S	Timing Set
(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	224-4166	Oil Pump	(1)	224-4148	Oil Pump	(1)	224-41914	Oil Pump
(1)	222-153	Timing Belt	(8)	285NP	Cast Piston	(6)	516P	Cast Piston	(4)	H589P .50MM	Cast Piston
(1)	224-4168	Oil Pump	(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(1)	381-8051	Brass Expansion Plug Kit
(4)	527P	Cast Piston	505-718C			505-728E			505-752A		
(1)	381-8050	Brass Expansion Plug Kit	(1)	E-178K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	(1)	E-352K	Premium Piston Ring Set
505-7059			(1)	260-1152	Gasket Kit	(1)	260-1144	Gasket Kit	(1)	260-1161	Gasket Kit
(1)	E-454K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set
(1)	260-1616	Gasket Kit	(1)	KC-645	Cam & Lifter Kit	(1)	KC-1539	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	1840M	Camshaft Bearing Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	KT3-368S	Timing Set - 3 Pc.	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	224-4166	Oil Pump	(1)	224-4148	Oil Pump	(1)	222-14	Timing Belt
(1)	KC-785C	Cam, Lifter & Follower Kit	(8)	285NP	Cast Piston	(6)	516P	Cast Piston	(1)	224-41160	Oil Pump
(1)	222-153	Timing Belt	(1)	381-8010	Brass Expansion Plug Kit	(1)	381-8046	Brass Expansion Plug Kit	(4)	H435P	Cast Piston
(1)	224-4168	Oil Pump	505-718H			505-728G			(1)	381-8029	Brass Expansion Plug Kit
(4)	571CP	Cast Piston	(1)	E-178K	Premium Piston Ring Set	(1)	E-432K	Premium Piston Ring Set	505-753A		
(1)	381-8050	Brass Expansion Plug Kit	(1)	260-1152	Gasket Kit	(1)	260-1144	Gasket Kit	(1)	E-442KC	Premium Piston Ring Set
505-7060			(1)	1484M	Camshaft Bearing Set	(1)	1492M	Camshaft Bearing Set	(1)	260-1162	Gasket Kit
(1)	E-454K	Premium Piston Ring Set	(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-1539	Cam & Lifter Kit	(1)	1443M	Camshaft Bearing Set
(1)	260-1427	Gasket Kit	(1)	224-4166	Oil Pump	(1)	KT3-372S	Timing Set - 3 Pc.	(1)	1460M	Auxiliary Shaft Bearing Set
(1)	1840M	Camshaft Bearing Set	(8)	526P	Cast Piston	(1)	224-4148	Oil Pump	(1)	KC-666C	Cam, Lifter & Follower Kit
(1)	1487M	Auxiliary Shaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(6)	516P	Cast Piston	(1)	222-14	Timing Belt
(1)	KC-785C	Cam, Lifter & Follower Kit	505-718J			(1)	381-8046	Brass Expansion Plug Kit	(1)	224-41127	Oil Pump
(1)	222-153	Timing Belt	(1)	E-178K	Premium Piston Ring Set	505-739A			(1)	H537P	Cast Piston
(1)	224-4168	Oil Pump	(1)	260-1152	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit
(4)	571CP	Cast Piston	(1)	1484M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	505-757A		
(1)	381-8050	Brass Expansion Plug Kit	(1)	KC-1556	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	E-415K	Premium Piston Ring Set
505-7062			(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-633	Cam & Lifter Kit	(1)	260-1166	Gasket Kit
(1)	E-178K	Premium Piston Ring Set	(1)	224-4166	Oil Pump	(1)	221-2528S	Timing Gear Set	(1)	1493M	Camshaft Bearing Set
(1)	260-1430	Gasket Kit	(8)	526P	Cast Piston	(1)	224-4147	Oil Pump	(1)	KC-733	Cam & Lifter Kit
(1)	1484M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(6)	403P	Cast Piston	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	KC-1565	Cam & Lifter Kit	505-718K			(1)	381-8006	Brass Expansion Plug Kit	(1)	224-51162	Oil Pump Repair Kit
(1)	KT3-380S	Timing Set - 3 Pc.	(1)	E-178K	Premium Piston Ring Set	505-739C			(6)	481P	Cast Piston
(1)	224-4166	Oil Pump	(1)	260-1152	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(8)	526P	Cast Piston	(1)	1484M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	505-758A		
(1)	381-8010	Brass Expansion Plug Kit	(1)	KC-1556	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	E-415K	Premium Piston Ring Set
505-713A			(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-677	Cam & Lifter Kit	(1)	260-1167	Gasket Kit
(1)	E-286K	Premium Piston Ring Set	(1)	224-4166	Oil Pump	(1)	221-2540S	Timing Gear Set	(1)	1493M	Camshaft Bearing Set
(1)	260-1121	Gasket Kit	(8)	526P	Cast Piston	(1)	224-4147	Oil Pump	(1)	KC-748	Cam & Lifter Kit
(1)	1484M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(6)	403P	Cast Piston	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	KC-644	Cam & Lifter Kit	505-718L			(1)	381-8006	Brass Expansion Plug Kit	(1)	224-51162	Oil Pump Repair Kit
(1)	KT3-160S	Timing Set - 3 Pc.	(1)	E-178K	Premium Piston Ring Set	505-739D			(6)	490P .50MM	Cast Piston
(1)	224-4166	Oil Pump	(1)	260-1152	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(8)	L-2316F 20	Power Forged Piston	(1)	1484M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	505-758A		
(1)	381-8010	Brass Expansion Plug Kit	(1)	KC-645	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	E-415K	Premium Piston Ring Set
505-715A			(1)	KT3-160S	Timing Set - 3 Pc.	(1)	KC-633	Cam & Lifter Kit	(1)	260-1167	Gasket Kit
(1)	E-301K	Premium Piston Ring Set	(1)	224-4166	Oil Pump	(1)	221-2540S	Timing Gear Set	(1)	1493M	Camshaft Bearing Set
(1)	260-1151	Gasket Kit	(8)	526P	Cast Piston	(1)	224-4147	Oil Pump	(1)	KC-748	Cam & Lifter Kit
(1)	1401M	Camshaft Bearing Set	(1)	381-8010	Brass Expansion Plug Kit	(6)	403P	Cast Piston	(1)	KT3-365SA	Timing Set - 3 Pc.
(1)	KC-646	Cam & Lifter Kit	505-724A			(1)	381-8006	Brass Expansion Plug Kit	(1)	224-51162	Oil Pump Repair Kit
(1)	KT3-369S	Timing Set - 3 Pc.	(1)	E-369K	Premium Piston Ring Set	505-739E			(6)	490P .50MM	Cast Piston
(1)	224-51285	Oil Pump Repair Kit	(1)	260-1149	Gasket Kit	(1)	E-234K	Premium Piston Ring Set	(1)	381-8053	Brass Expansion Plug Kit
(8)	362NP	Cast Piston	(1)	1462M	Camshaft Bearing Set	(1)	260-1129	Gasket Kit	505-760A		
(1)	381-8001	Brass Expansion Plug Kit	(1)	KC-702	Cam & Lifter Kit	(1)	1557M	Camshaft Bearing Set	(1)	E-251K	Premium Piston Ring Set
505-716A			505-724A			(1)	KC-645	Cam & Lifter Kit	(1)	260-1169	Gasket Kit
(1)	E-222K	Premium Piston Ring Set	(1)	E-178K	Premium Piston Ring Set	(1)	KT3-361S	Timing Set - 3 Pc.	(1)	1204M	Camshaft Bearing Set
(1)	260-1134	Gasket Kit	505-743A			(1)	260-1121	Gasket Kit	(1)	KC-668	Cam & Lifter Kit
(cont'd. next column)			(1)	E-178K	Premium Piston Ring Set	(1)	1484M	Camshaft Bearing Set	(1)	KT3-358SA	Timing Set - 3 Pc.
			(cont'd. next column)			(1)	260-1170	Gasket Kit	(1)	224-41118	Oil Pump
						(1)	1204M	Camshaft Bearing Set	(8)	273AP	Cast Piston
						(1)	KC-674	Cam & Lifter Kit	(1)	381-8015	Brass Expansion Plug Kit
						(cont'd. next page)					

Engine Kit Bill of Material

Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description	Qty.	Part No.	Description
505-761A (cont'd.)			505-858A (cont'd.)			505-879C (cont'd.)					
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	KC-666C	Cam, Lifter & Follower Kit			
(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump	(1)	222-14	Timing Belt			
(8)	463P	Cast Piston	(4)	525P	Cast Piston	(1)	224-41160V	Oil Pump			
(1)	381-8015	Brass Expansion Plug Kit				(4)	L-2500F .50MM	Power Forged Piston			
505-761C			505-859A			(1)	381-8029	Brass Expansion Plug Kit			
(1)	E-251K	Premium Piston Ring Set	(1)	E-450K	Premium Piston Ring Set	505-880A					
(1)	260-1170	Gasket Kit	(1)	260-1192	Gasket Kit	(1)	E-441K	Premium Piston Ring Set			
(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	260-1162	Gasket Kit			
(1)	KC-764	Cam & Lifter Kit	(1)	KC-779	Cam & Lifter Kit	(1)	1443M	Camshaft Bearing Set			
(1)	KT3-163SA1	Timing Set - 3 Pc.	(1)	KT3-3SR64S	Timing Set - 3 Pc.	(1)	1460M	Auxiliary Shaft Bearing Set			
(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump	(1)	KC-767C	Cam, Lifter & Follower Kit			
(8)	463P	Cast Piston	(4)	525P	Cast Piston	(1)	222-14	Timing Belt			
(1)	381-8015	Brass Expansion Plug Kit				(1)	224-41160V	Oil Pump			
505-761D			505-860A			(4)	L-2500F .50MM	Power Forged Piston			
(1)	E-251K	Premium Piston Ring Set	(1)	E-222K	Premium Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit			
(1)	260-1170	Gasket Kit	(1)	260-1193	Gasket Kit	505-883A					
(1)	1204M	Camshaft Bearing Set	(1)	1244M	Camshaft Bearing Set	(1)	E-465K	Premium Piston Ring Set			
(1)	KC-764	Cam & Lifter Kit	(1)	KC-713	Cam & Lifter Kit	(1)	260-1208	Gasket Kit			
(1)	KT3-163SA	Timing Set - 3 Pc.	(1)	KT3-494S	Timing Set - 3 Pc.	(1)	1494M	Camshaft Bearing Set			
(1)	224-41143	Oil Pump	(1)	224-41198	Oil Pump	(1)	KC-788	Cam & Lifter Kit			
(8)	463P	Cast Piston	(6)	470NP	Cast Piston	(1)	KT3-505S	Timing Set - 3 Pc.			
(1)	381-8015	Brass Expansion Plug Kit	(1)	381-8000	Brass Expansion Plug Kit	(1)	224-41100	Oil Pump			
505-763A			505-868C			(4)	489P	Cast Piston			
(1)	E-352K	Premium Piston Ring Set	(1)	E-453K	Premium Piston Ring Set	505-886A					
(1)	260-1172	Gasket Kit	(1)	260-1276	Gasket Kit	(1)	E-415K	Premium Piston Ring Set			
(1)	1443M	Camshaft Bearing Set	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	260-1211	Gasket Kit			
(1)	1460M	Auxiliary Shaft Bearing Set	(1)	KC-775C	Cam, Lifter & Follower Kit	(1)	1493M	Camshaft Bearing Set			
(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	222-71	Timing Belt	(1)	KC-748	Cam & Lifter Kit			
(1)	222-14	Timing Belt	(1)	224-4168	Oil Pump	(1)	KT3-365SA	Timing Set - 3 Pc.			
(1)	224-41160	Oil Pump	(4)	533P	Cast Piston	(1)	224-51162	Oil Pump Repair Kit			
(4)	H435P	Cast Piston	(1)	381-8050	Brass Expansion Plug Kit	(6)	490P .50MM	Cast Piston			
(1)	381-8029	Brass Expansion Plug Kit	505-869C			(1)	381-8053	Brass Expansion Plug Kit			
505-765C			(1)	E-454K	Premium Piston Ring Set	505-888A					
(1)	E-229K	Premium Piston Ring Set	(1)	260-1093	Gasket Kit	(1)	E-251K	Premium Piston Ring Set			
(1)	260-1174	Gasket Kit	(1)	1487M	Auxiliary Shaft Bearing Set	(1)	260-1213A	Gasket Kit			
(1)	1781M	Camshaft Bearing Set	(1)	KC-785C	Cam, Lifter & Follower Kit	(1)	1204M	Camshaft Bearing Set			
(1)	KC-1230	Cam & Lifter Kit	(1)	222-71	Timing Belt	(1)	KC-761	Cam & Lifter Kit			
(1)	221-2764S	Timing Gear Set	(1)	224-4168	Oil Pump	(1)	KT3-163SA	Timing Set - 3 Pc.			
(1)	224-41124	Oil Pump	(4)	527P	Cast Piston	(1)	224-41118	Oil Pump			
(6)	H519P	Cast Piston	(1)	381-8050	Brass Expansion Plug Kit	(8)	H273CP	Cast Piston			
(1)	381-8014	Brass Expansion Plug Kit	505-878A			(1)	381-8015	Brass Expansion Plug Kit			
505-768A			(1)	E-442KC	Premium Piston Ring Set	505-891A					
(1)	E-296K	Premium Piston Ring Set	(1)	260-1206	Gasket Kit	(1)	E-476K	Premium Piston Ring Set			
(1)	260-1177	Gasket Kit	(1)	1443M	Camshaft Bearing Set	(1)	260-1214	Gasket Kit			
(1)	1414M	Camshaft Bearing Set	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1443M	Camshaft Bearing Set			
(1)	KC-648	Cam & Lifter Kit	(1)	KC-666C	Cam, Lifter & Follower Kit	(1)	1460M	Auxiliary Shaft Bearing Set			
(1)	KT3-491S	Timing Set - 3 Pc.	(1)	222-14	Timing Belt	(1)	KC-767C	Cam, Lifter & Follower Kit			
(1)	224-41144	Oil Pump	(1)	224-41127	Oil Pump	(1)	222-14	Timing Belt			
(8)	H418P	Cast Piston	(4)	H537P	Cast Piston	(1)	224-41160	Oil Pump			
(1)	381-8018	Brass Expansion Plug Kit	(1)	381-8029	Brass Expansion Plug Kit	(4)	H491P	Cast Piston			
505-774A			505-878C			(1)	381-8029	Brass Expansion Plug Kit			
(1)	E-251K	Premium Piston Ring Set	(1)	E-442KC	Premium Piston Ring Set	505-896A					
(1)	260-1189	Gasket Kit	(1)	260-1206	Gasket Kit	(1)	E-442KC	Premium Piston Ring Set			
(1)	1204M	Camshaft Bearing Set	(1)	1443M	Camshaft Bearing Set	(1)	260-1218	Gasket Kit			
(1)	KC-674	Cam & Lifter Kit	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1443M	Camshaft Bearing Set			
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	1460M	Auxiliary Shaft Bearing Set			
(1)	224-41143	Oil Pump	(1)	222-14	Timing Belt	(1)	KC-767C	Cam, Lifter & Follower Kit			
(8)	416P	Cast Piston	(1)	224-41160V	Oil Pump	(1)	222-14	Timing Belt			
(1)	381-8015	Brass Expansion Plug Kit	(4)	H537P	Cast Piston	(1)	224-41127	Oil Pump			
505-774C			(1)	381-8029	Brass Expansion Plug Kit	(4)	H537P	Cast Piston			
(1)	E-251K	Premium Piston Ring Set	505-879A			(1)	381-8029	Brass Expansion Plug Kit			
(1)	260-1189	Gasket Kit	(1)	E-441K	Premium Piston Ring Set	505-898C					
(1)	1204M	Camshaft Bearing Set	(1)	260-1206	Gasket Kit	(1)	E-481K	Premium Piston Ring Set			
(1)	KC-674	Cam & Lifter Kit	(1)	1443M	Camshaft Bearing Set	(1)	260-1220	Gasket Kit			
(1)	KT3-358SA	Timing Set - 3 Pc.	(1)	1460M	Auxiliary Shaft Bearing Set	(1)	1838M	Camshaft Bearing Set			
(1)	224-41143	Oil Pump	(1)	KC-767C	Cam, Lifter & Follower Kit	(1)	KC-814	Cam & Lifter Kit			
(8)	463P	Cast Piston	(1)	222-14	Timing Belt	(1)	KT3-60S	Timing Set - 3 Pc.			
(1)	381-8015	Brass Expansion Plug Kit	(1)	224-41160V	Oil Pump	(1)	224-43431	Oil Pump			
505-858A			(4)	L-2500F .50MM	Power Forged Piston	(6)	520P	Cast Piston			
(1)	E-450K	Premium Piston Ring Set	(1)	381-8029	Brass Expansion Plug Kit	(1)	381-8064	Brass Expansion Plug Kit			
(1)	260-1191	Gasket Kit	505-879C								
(1)	1244M	Camshaft Bearing Set	(1)	E-441K	Premium Piston Ring Set						
(1)	KC-779	Cam & Lifter Kit	(1)	260-1206	Gasket Kit						
(cont'd. next column)			(1)	1443M	Camshaft Bearing Set						
			(1)	1460M	Auxiliary Shaft Bearing Set						
			(cont'd. next column)								

MANUFACTURER ABBREVIATIONS

Manufacturer Abbreviation	Manufacturer Full Name	Manufacturer Abbreviation	Manufacturer Full Name	Manufacturer Abbreviation	Manufacturer Full Name
ALF	Alfa Romeo	IST	Isuzu Truck	SB	Subaru Car
AMC	American Motors	JAG	Jaguar	SBT	Subaru Truck
AUD	Audi	JEE	Jeep	SM	Standard Motors
BL	British Leyland	LAD	Lada	ST	Studebaker Car
BMW	BMW	MB	Mercedes-Benz	STT	Studebaker Truck
CHM	Chrysler Marine	MER	Mercury Marine	SZ	Suzuki Car
CHR	Chrysler Car	MI	Mitsubishi Car	SZT	Suzuki Truck
DAI	Daihatsu	MIT	Mitsubishi Truck	TO	Toyota Car
DAT	Daihatsu Truck	MZ	Mazda Car	TOT	Toyota Truck
DT	Dodge Truck	MZT	Mazda Truck	VOL	Volvo Car
FIA	Fiat	NI	Nissan Car	VOM	Volvo Marine
FO	Ford Car	NIT	Nissan Truck	VW	VW Car
FOT	Ford Truck	OMC	OMC Marine	VWT	VW Truck
GM	GM Car	OP	Opel	YU	Yugo
GMT	GM Truck	PEU	Peugeot		
HIN	Hino	POR	Porsche		
HO	Honda Car	REN	Renault		
IH	International Truck	ROV	Rover Truck		
IS	Isuzu Car	SAB	Saab		

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
AT-2000	FO 42, 44, 63	BKP-6098*	GMT 54	BKP-6290*	MZT 5
AT-2000B	FO 42, 44, 63	BKP-6104*	FO 7	BKP-6301*	DT 10, MIT 5
AT-2041	IH 8, 11, 16	BKP-6110*	FOT 5	BKP-6303*	NI 13
AT-2084	AMC 10, 15, CHR 22, 24, 27, 35, 37, 39, 43, 57, DT 9, 11, 15, 22, 24	BKP-6112*	FO 12	BKP-6312*	NI 29
AT-2084B	AMC 10, 15, CHR 22, 24, 27, 35, 37, 39, 43, 57, DT 9, 11, 15, 22, 24	BKP-6113*	FO 12	BKP-6313*	TO 5
AT-6001	TOT 15, 17	BKP-6115*	FO 14	BKP-6314*	TO 18
AT-6002	TOT 16	BKP-6117*	FOT 10	BKP-6328*	TOT 8
AT-6003	GM 7, TO 8, 18, 20, 24, 28, 29	BKP-6119*	FOT 11	BK-6006*	GM 20
AT-6006	TO 9, 10	BKP-6120*	FOT 11	BK-6011*	GM 21
AT-6010	TOT 12	BKP-6125*	FO 22	BK-6016*	GM 29, GMT 12
AT-872	FO 15, 18-20, 52, 56, 58, 61, 62, FOT 7-9, 18	BKP-6134*	FO 31	BK-6017*	GM 31, GMT 13
AT-872B	FO 15, 18-20, 52, 56, 58, 61, 62, FOT 7-9, 18	BKP-6135*	FO 31	BK-6021*	GM 31
AT-937	AMC 10, CHM 5, 12, 16, CHR 35, 39, 40, 43	BKP-6138*	FO 32	BK-6029*	GM 38
AT-937B	AMC 10, CHM 5, 12, 16, CHR 35, 39, 40, 43	BKP-6150*	FOT 31	BK-6040*	GM 47
AT-992	GM 66, 71, 80, 85, 88, 100, 108, 110, 115, 119	BKP-6154*	FOT 33	BK-6050*	GM 58, GMT 28
AT-992B	GM 66, 71, 80, 85, 88, 100, 108, 110, 115, 119	BKP-6155*	FOT 33	BK-6051*	GMT 28
BKP-6015*	GM 29, GMT 12	BKP-6158*	FO 44	BK-6053*	GMT 28
BKP-6016*	GMT 12	BKP-6159*	FO 44	BK-6067*	GM 58
BKP-6017*	GM 31, GMT 13	BKP-6160*	FO 44	BK-6069*	GM 65
BKP-6018*	GM 31, GMT 13	BKP-6163*	FO 44	BK-6071*	GM 65
BKP-6021*	GM 31	BKP-6164*	FO 44	BK-6072*	GM 73, GMT 36
BKP-6022*	GM 31	BKP-6167*	FO 51, FOT 37	BK-6078*	GM 73
BKP-6050*	GM 58, GMT 28	BKP-6173*	FOT 47	BK-6079*	GM 74
BKP-6051*	GMT 28	BKP-6178*	FOT 46, IH 27	BK-6084*	GM 88, GMT 44
BKP-6053*	GMT 28	BKP-6187*	CHR 17, JEE 5	BK-6088*	GM 88
BKP-6067*	GM 58	BKP-6193*	JEE 13	BK-6089*	GM 88
BKP-6072*	GM 73, GMT 36	BKP-6197*	AMC 11, JEE 14	BK-6092*	GMT 49
BKP-6074*	GMT 36	BKP-6199*	CHR 14	BK-6093*	GMT 49
BKP-6078*	GM 73	BKP-6200*	CHR 14	BK-6098*	GMT 54
BKP-6079*	GM 74	BKP-6201*	CHR 14	BK-6101*	GM 1
BKP-6084*	GMT 44	BKP-6206*	CHR 15	BK-6103*	GM 7
BKP-6088*	GM 88	BKP-6208*	CHR 18, DT 6	BK-6104*	FO 7
BKP-6092*	GMT 49	BKP-6209*	CHR 18, DT 6	BK-6110*	FOT 5
BKP-6093*	GMT 49	BKP-6210*	CHR 18, DT 6	BK-6112*	FO 12
		BKP-6218*	CHR 19, DT 7	BK-6113*	FO 12
		BKP-6219*	CHR 19, DT 7	BK-6115*	FO 14
		BKP-6233*	DT 19	BK-6117*	FOT 10
		BKP-6237*	DT 24	BK-6119*	FOT 11
		BKP-6254*	CHR 23, DT 10	BK-6120*	FOT 11
		BKP-6256*	DT 10	BK-6125*	FO 22
		BKP-6279*	IST 5	BK-6134*	FO 31
		BKP-6281*	IST 6	BK-6135*	FO 31

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
BK-6138*	FO 32	BRP-3193	CHR 58, DT 31	CS-1032R	GM 29
BK-6139*	FOT 22	BRP-3194	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 24, 27	CS-1043M	MER 10, 12
BK-6150*	FOT 31			CS-1045M	MER 14, 15
BK-6154*	FOT 33	BRP-3197	GM 102, 120	CS-1047M	MER 15
BK-6155*	FOT 33	BRP-3200	GM 113, JEE 14	CS-1049M	MER 7, OMC 5
BK-6158*	FO 44	BRP-3205	GM 54, 74, 90, 91, GMT 46	CS-1051M	MER 7, OMC 5
BK-6159*	FO 44	BRP-3207	GM 29, 31, GMT 12, 13, IST 7, JEE 7	CS-1053M	CHM 12
BK-6160*	FO 44	BRP-3208	CHR 27, DT 15	CS-1057M	MER 9, 13
BK-6163*	FO 44	BRP-3209	FO 51, FOT 37	CS-1060M	MER 3
BK-6164*	FO 44	BRP-3211	AMC 4, GM 26, JEE 6	CS-1067R	MER 13
BK-6167*	FO 51, FOT 37	BRP-3212R	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2	CS-1068M	MER 2, OMC 2
BK-6173*	FOT 47			CS-1084R	FO 44, 51, FOT 37
BK-6178*	FOT 46, IH 27			CS-1088R	GM 100, 108, 115, 119, GMT 50, 52, 54
BK-6181*	FO 1				
BK-6187*	CHR 17, JEE 5			CS-1092M	MER 6
BK-6193*	JEE 13	BRP-3212R 100	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2	CS-1093M	MER 14, 15
BK-6197*	AMC 11, JEE 14			CS-1093M	GM 88
BK-6198*	AMC 18, JEE 18			CS-1095R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51
BK-6199*	CHR 14			CS-1103R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51
BK-6200*	CHR 14				
BK-6201*	CHR 14	BRP-3231	GM 15, 16, GMT 4	CS-1106R	GM 35, 47, 48, 53
BK-6206*	CHR 15	BRP-3233	FO 18, 20, 21, FOT 9, 10	CS-1112R	GM 66
BK-6207*	CHR 15	BRP-3234	FO 31, FOT 17	CS-1133R	GM 88
BK-6208*	CHR 18, DT 6	BRP-3235	JEE 14	CS-1145R	FO 44, 51
BK-6209*	CHR 18, DT 6	BRP-3236	AMC 3, CHR 17, JEE 5	CS-1158R	GM 71
BK-6210*	CHR 18, DT 6	BRP-3240	GM 50	CS-1179R	GM 71
BK-6218*	CHR 19, DT 7	BRP-3241	FO 44	CS-118R	FOT 20, 31
BK-6219*	CHR 19, DT 7	BRP-3244	GM 74, 90, GMT 46	CS-1230	FO 44, 51, FOT 37
BK-6228*	CHR 25, DT 12	BRP-3253	GM 47, 48	CS-1231R	TO 5
BK-6233*	DT 19	BRP-3254	GM 119, GMT 54	CS-1463	DT 19
BK-6237*	DT 24	BRP-3255	GM 119, GMT 54	CS-1501	CHR 25, DT 12
BK-6246*	DT 26	BRP-3256	GM 30	CS-1503	GM 38, 47
BK-6254*	CHR 23, DT 10	BRP-3259	CHR 43, DT 19, 24	CS-1505	GM 47
BK-6275*	HO 21	BRP-3260	FOT 31	CS-1506	GM 26
BK-6276*	HO 21	BRP-3261	GM 47	CS-1507	FO 10, 11, MZ 14, 15
BK-6278*	IST 7	BRP-3262	GM 58, 73, 88, GMT 28	CS-1509	FOT 22
BK-6279*	IST 5	BRP-3263	GM 26, GMT 8	CS-1510	FOT 22
BK-6281*	IST 6	BRP-3273	GM 29, 31, 32	CS-1511	MZT 5
BK-6290*	MZT 5	BRP-3274	GM 29, 31, 32	CS-1521	TOT 12
BK-6296*	CHR 12, MI 9	BRP-3275	JEE 13	CS-1525	TOT 12
BK-6301*	DT 10, MI 13, MIT 5	BRP-3277	CHR 43, DT 19, 24, 27	CS-1526	GM 29, 31, 32, GMT 12, IST 7
BK-6303*	NI 13	BRP-3279	CHR 25, DT 12	CS-1539	GM 50, 65
BK-6312*	NI 29	BRP-3281	FO 22, FOT 11	CS-1540	NI 23, NIT 9
BK-6313*	TO 5	BRP-3284	FO 31	CS-1543	TO 28
BK-6314*	TO 18	BRP-3285	GM 47	CS-1544	TO 28
BK-6328*	TOT 8	BRP-3288	FOT 47	CS-1545	TO 18
BRP-3022	FO 41, 43, 45, FOT 28, 30	BRP-3332	FOT 22	CS-1551	CHR 43, DT 27
BRP-3028	GM 67, 76, 84, 85, 87, 95, 97, 105, 110, 116, 121, GMT 33, 39, 43	BRP-3332 30	FOT 22	CS-1556	DT 27
BRP-3036	CHM 5, CHR 24, 27, DT 11, 15	BRP-3332 60	FOT 22	CS-1557	DT 29
BRP-3093	AMC 14, 18-20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, IH 26, JEE 15, 18, 19, MER 8, 10, 12, OMC 6, 9, 10, ST 6, VOM 1, 2	BTS-104	NI 29, 30, 32, NIT 11	CS-1565	GM 1
BRP-3102	GM 85, 110, GMT 43	BTS-122	IS 10, IST 5	CS-1576	HO 9
BRP-3103	GM 100, 108, 115, 119, GMT 54	BTS-124	DT 5, MI 11, MIT 3	CS-1577	HO 21
BRP-3104	GM 100, 108, 115, 119, GMT 54	BTS-128	CHR 2, MI 1	CS-1578	FO 44, 51, FOT 37
BRP-3133	IH 5, 21, 24	BTS-134	FO 10, 11, MZ 14, 15, MZT 5	CS-1581R*	GM 88
BRP-3160	FO 63, 65, FOT 47	BTS-139	CHR 23, DT 10, MI 13, MIT 5	CS-1582R*	GM 100, 108, 115, 119
BRP-3164	FO 63, 65, GM 30, 34, 35, 47, 48, 53, 79, 97, 105, 111, GMT 20	BTS-143	FO 12, 13, FOT 3, 5	CS-165R	GM 85, 110, GMT 43
BRP-3165	FO 27, 42, 44, FOT 29, 33	BTS-145	HO 9, 10	CS-171	GM 91, 120
BRP-3167	FO 37, 40, 44, FOT 24, 33, OMC 8	BTS-147	HO 12	CS-176R	GM 67, 79, 84, 95, 97, GMT 33, 39, 42
BRP-3172	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	BTS-153	IST 6	CS-187	CHR 37, 39, 43
BRP-3172B	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	BTS-160	CHR 14-16, 18, 19, DT 6, 7	CS-198	FO 41, 43, 45, FOT 28, 30
BRP-3174	GM 54, 81, 90, 91, 109, GMT 46	BTS-161	HO 15, 17	CS-210	GM 49, GMT 21
BRP-3176	FO 19, 24, FOT 12	BTS-167	HO 4, 7, 8	CS-251	GM 82, 93, 98
BRP-3179	GM 122	BTS-17	CHR 12, 13, MI 9, 10	CS-256	FO 15, 19, FOT 7, 8
BRP-3180	AMC 11, GM 26, 27, 33, 41, 45, 51, 86, GMT 9, 14, 19, 26, JEE 17, OMC 1, 2, 4, ST 2		AMC 2, AUD 4-7, CHR 8, VW 3, 9, 11-14, VWT 6, 7, 9	CS-261	GM 63, 66, GMT 29, 32
BRP-3181	GM 100, 108, 115, GMT 50, 52, 54	BTS-172*	SB 10	CS-273	GM 66, 73, 75, 80, 88, 104, GMT 32, 38, 40, 44, 45, 51, MER 8, 11, 12, OMC 6, 9, 10, ST 6
BRP-3182	GM 81, 100, 108, 115, GMT 50, 52, 54	BTS-185	FO 1, MZ 5, 8	CS-274	GMT 21, 27
BRP-3183	FOT 20, 31	BTS-187*	HO 21		
BRP-3184	FO 49	BTS-199	TO 18-20	CS-293	JEE 2
BRP-3186	FO 50, 57, FOT 36, 42	BTS-212	GM 10, GMT 1	CS-301	GM 49
BRP-3188	GMT 34	BTS-233	TO 4, 5	CS-323	CHR 49, 52, 53, 55-58, DT 29-31
BRP-3191	CHM 17, 18, 21, CHR 53, 55, DT 29-31	BTS-36	GM 7, TO 8	CS-327	GM 42, 49, GMT 16, 21
		BTS-67	FO 3, 4, 7	CS-364	GM 39, 40, 68
		BTS-70	GM 6, 7, TO 4, 6-8	CS-380	CHR 22, 24, 27, DT 9, 11, 15
		BTS-71	CHR 14, 15, DT 3	CS-415	IH 17, 19, 21, 22, 24
		CS-1004R	GM 100, 108, 115, 119, GMT 50, 52, 54	CS-443	FO 52, 56, FOT 38
				CS-448	FO 15, 19, 24, FOT 12
		CS-1014R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51	CS-551	GMT 34
		CS-1015R	GM 100, 108, 115, 119, GMT 50, 52, 54	CS-554	GM 98, 117
		CS-1016R	GM 35, 47, 48, 53	CS-559	FO 29, FOT 15
		CS-1026R	AMC 13, 14, 16, 18-20	CS-560	FO 42, 44, FOT 29, 33, OMC 8

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
CS-564	GM 92, 106, 107, 114	CS-814	FOT 10	E-236K	AMC 10, FO 27, GM 39, 40, 54, 64, GMT 30, ROV 2
CS-586	GM 103, 118, 122	CS-817	CHR 11, DT 2, MI 7, 8, MIT 1	E-236X	AMC 10, FO 27, GM 39, 40, 54, 64, GMT 30, ROV 2
CS-614	MZT 4	CS-820	CHR 23, DT 10	E-237KC	FO 26, FOT 13, GM 49, GMT 21
CS-620	IS 9, 10, IST 5, 6	CS-822	CHR 23, DT 10	E-237X	FO 26, FOT 13, GM 49, GMT 21
CS-633	GM 33, 41, 45, 51, GMT 14, 19, 26, OMC 4, ST 2	CS-828+	AMC 14, JEE 15	E-239K	CHM 10, 11, CHR 34-36, 38, 42, DT 22, 23, GM 61
CS-636	GM 100, 115, GMT 50	CS-829	DT 19	E-239X	CHM 10, 11, CHR 34-36, 38, 42, DT 22, 23, GM 61
CS-641	GM 87, 97, 105, 111, 116, 121	CS-831	GM 21	E-240K	AMC 12-14, CHR 37, FO 43, FOT 30, GM 63, 67, 68, 72, 83, GMT 29, 33, JEE 15, OMC 7
CS-642	FO 56, 59, 62, FOT 44	CS-832	GM 21	E-240X	AMC 12-14, CHR 37, FO 43, FOT 30, GM 63, 67, 68, 72, 83, GMT 29, 33, JEE 15, OMC 7
CS-643	FO 56, FOT 38, 39, 41	CS-835	FOT 5	E-243K	CHR 52, GM 85, 92, 99, 104, 108, 113, 120, GMT 43, 51, 52
CS-644	CHM 14, CHR 47, 51, DT 27	CS-836	GM 47	E-243X	CHR 52, GM 85, 92, 99, 104, 108, 113, 120, GMT 43, 51, 52
CS-645	CHR 35, 43, DT 24, 27	CS-838	GM 18	E-245K	GM 66, 75, 78, 87, GMT 32, 38, MER 8, OMC 6, 9, ST 6
CS-646	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19	CS-840	FO 1, 2, MZ 5	E-245X	GM 66, 75, 78, 87, GMT 32, 38, MER 8, OMC 6, 9, ST 6
CS-647	GM 86	CS-841	FO 1, 2, MZ 5	E-247KC 30	FO 34, 38, FOT 19, 25, GM 60
CS-648	FO 63, 65, FOT 45, 47	CS-842	DT 19	E-247X	FO 34, 38, FOT 19, 25, GM 60
CS-650	FO 49	CS-843	NI 29, 32, NIT 11	E-248K	FO 47, 52, 54, FOT 35, 38, GM 96
CS-651	GM 74, 81, 91, 101, 102, 120	CS-844	NI 29, 32, NIT 11	E-248X	FO 47, 52, 54, FOT 35, 38, GM 96
CS-652	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	CS-847	HO 15, 17	E-250X	GM 33, GMT 14, ST 2
CS-656	GM 94, 112, 123, 124	CS-850	GM 74	E-251K	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, 45, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2
CS-657	GM 36, 43, JEE 8	CS-857	GM 10	E-251KC	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, 45, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2
CS-658	FO 24, 36	CS-860	FO 31	E-251X	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, 45, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2
CS-660	GM 119, GMT 54	CS-861	FO 32	E-252X	CHR 49, GM 95, 97
CS-661	CHR 53, 55, 58	CS-863	FO 7	E-253K 30	CHR 49, GM 95, 97
CS-665	CHR 51, DT 27	CS-864	CHR 23, DT 10, MIT 5	E-253X	GM 117
CS-666	FO 12, 13, FOT 5	CS-865	CHR 23, DT 10, MIT 5	E-257X	FO 56, FOT 39
CS-667	FO 49, 50, 57, FOT 36, 42	CS-875	TOT 4, 7	E-260K	FO 62, FOT 44
CS-668	FO 37, 44, FOT 24, 33	CS-906	HO 8	E-261K	FO 62, FOT 44
CS-673	GM 64, GMT 30, 36	CS-922	CHR 14, 15, 18, 19, DT 3, 6, 7	E-261X	IH 19-22
CS-674	FO 51, FOT 37, MER 9, OMC 8, 11	CTS-1000	GM 44, 57, 64, 73, GMT 18, 30, 36, 44	E-270K	IH 19-22
CS-676	GM 86	CTS-1001	GM 88, GMT 44	E-270X	CHM 16, IH 24
CS-677	GM 51, GMT 26	CTS-1002	GM 66, GMT 32, 44	E-273K	CHM 14, CHR 47, GM 103
CS-690	GM 62, 69, 87, 105	CTS-1003	GMT 44, 51	E-286K	CHM 14, CHR 47, GM 103
CS-696	AMC 4, GM 26, JEE 6	CTS-1005	GM 54, 74, 81, 91, 109, 120	E-286X	CHR 56, GM 106, 107, 118
CS-698	GM 54	CTS-1006	GM 73, 88	E-287X	FO 46, GM 74, 86, JEE 17
CS-702	GM 30, 35, 47, 48, 53, GMT 20	CTS-1100R	GMT 32, 36, 38, 40, 44, 51	E-288K	FO 46, GM 74, 86, JEE 17
CS-707	GM 74, 86, 91, 109	CTS-1110R	GM 119, GMT 50, 52, 54	E-288KC 20	GM 110, 114, 122
CS-708	GM 26, 27, MER 1	CTS-2000	FO 37, 44, 51, FOT 24, 33, 37	E-289K	GM 110, 114, 122
CS-709	CHR 27, DT 15	CTS-2001	FO 44, 51, FOT 33, 37	E-290K	GM 123, 124
CS-711	GM 57, 64, 73, GMT 30, 36	CTS-2002	FO 44, 51, FOT 33, 37	E-290X	GM 123, 124
CS-712	GM 37, 44, GMT 15, 18	CTS-3000	CHR 35, 43, 51, DT 22, 24, 27	E-296K	FO 63, 65, FOT 45, 47
CS-713	AMC 11, JEE 14	CTS-3002	CHR 43, 47, 51, DT 24	E-296X	FO 63, 65, FOT 45, 47
CS-715	GM 29, GMT 12, 13, JEE 7	E-103X	GM 42, GMT 16	E-297K	GM 91
CS-719	TO 21, 23, TOT 6, 8, 9	E-104KC	JEE 2, 3	E-297X	GM 91
CS-720	GMT 2, 3, IS 6, 8, IST 1, 2, OP 3	E-104X	JEE 2, 3	E-298K 30	GM 102
CS-724	FOT 1, 2, MZ 10, MZT 1-3	E-107X	CHM 7-9, CHR 29, 31, 33, DT 18, 20	E-299K	GM 105, 116
CS-733	FO 31, FOT 17	E-108KC	CHM 4, 6, CHR 26, 28, DT 13, 17	E-299X	GM 105, 116
CS-745	FOT 9	E-108X	CHM 4, 6, CHR 26, 28, DT 13, 17	E-300K	GM 121
CS-748	FO 31	E-135X	GM 49, GMT 21, IH 8, 11	E-301K	AMC 16, 18, JEE 18
CS-751	GM 50	E-156X	FO 29, FOT 15	E-301X	AMC 16, 18, JEE 18
CS-755	NI 19, 22, NIT 5, 7, 8	E-175X	FO 40, 45	E-302K 30	AMC 19, 20, IH 26, JEE 19
CS-756	GM 58, GMT 28	E-178K	CHM 12, CHR 39, 43, DT 24	E-307KC	VW 6, VWT 5
CS-758	GM 74	E-178X	CHM 12, CHR 39, 43, DT 24	E-307X	VW 6, VWT 5
CS-759	FO 44	E-180K	FO 53, 56, 59, FOT 39, 41	E-318K	CHM 18, CHR 55, DT 30
CS-760	FO 44	E-180X	FO 53, 56, 59, FOT 39, 41	E-318X	CHM 18, CHR 55, DT 30
CS-761	FO 44	E-183X	FO 55, 64	E-350KC	FOT 1, MZ 4, MZT 1, 2
CS-764	FO 51, FOT 37, MER 9, 13	E-196K	CHM 5, CHR 22, 24, 27, DT 9, 11, 15		
CS-766	GM 73, 88	E-196X	CHM 5, CHR 22, 24, 27, DT 9, 11, 15		
CS-767	FO 12, 13, FOT 3, 5	E-197K	FO 15, 19, FOT 7, 8, GM 35, 37, GMT 15		
CS-769	CHR 20, DT 8	E-197X	FO 15, 19, FOT 7, 8, GM 35, 37, GMT 15		
CS-770	GMT 49	E-217K	GMT 34		
CS-771	FOT 43, 46, IH 27	E-217KC	GMT 34		
CS-774	GM 108, 119, GMT 52, 54	E-217X	GMT 34		
CS-775	CHR 15	E-219K	FO 24, 36, FOT 12, 23		
CS-778	GM 12	E-219X	FO 24, 36, FOT 12, 23		
CS-779	AMC 3, CHR 17, JEE 5	E-222K	AMC 8, 9, 11, GM 41, 43, IH 9, 14, JEE 8, 12, 14, OMC 3		
CS-781	GM 26	E-222X	AMC 8, 9, 11, GM 41, 43, IH 9, 14, JEE 8, 12, 14, OMC 3		
CS-782	GM 26, GMT 8	E-227K	GM 28, GMT 11		
CS-783	GM 58, GMT 28	E-229K	FO 35, FOT 20, 31, GM 58, GMT 28		
CS-785	CHR 14, 15, 18, 19, DT 3, 6, 7	E-229X	FO 35, FOT 20, 31, GMT 28		
CS-786	FO 31	E-232K	GM 100, 111, GMT 50		
CS-787	FO 22, FOT 11	E-232X	GM 100, 111, GMT 50		
CS-788	FO 14, 17	E-233K	CHM 17, 20, CHR 53, 57, DT 29, GM 115, 119, GMT 54, MER 14, 15		
CS-790	FO 7	E-233X	CHM 17, 20, CHR 53, 57, DT 29, GM 115, 119, GMT 54, MER 14, 15		
CS-791	FO 7	E-234K	GM 45, 46, 51, 52, GMT 19, 26, JEE 13, MER 5, 6, OMC 4		
CS-792	GM 48	E-234X	GM 45, 46, 51, 52, GMT 19, 26, JEE 13, MER 5, 6, OMC 4		
CS-793	GM 73				
CS-803	TOT 15-17				
CS-808	GM 73, 88				
CS-809	JEE 13				
CS-810	CHR 21, DT 8, MI 12, MIT 4, MZT 7				
CS-811	GM 16, 20				
CS-813	GM 30, 47				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
E-350X	FOT 1, MZ 4, MZT 1, 2	E-438KC	HO 5-8	E-519K .50MM	IS 6, IST 1, TO 17
E-351KC	FO 20, FOT 9	E-438X	HO 5-8	E-519X	IS 6, IST 1, TO 17
E-351X	FO 20, FOT 9	E-439KC	CHR 20, 21, DT 8, MI 12, MIT 4, MZT 7	E-522KC	CHR 12, 13, MI 9, 10
E-352K	FO 12, FOT 5			E-523KC	TO 18, TOT 4
E-352X	FO 12, FOT 5	E-439X	CHR 20, DT 8, MIT 4, MZT 7	E-523X	TO 18, TOT 4
E-356K	GM 73, GMT 36, MER 10, VOM 1	E-441K	FO 13	E-524KC	DT 5, MI 11, MIT 3
E-356KC	GM 73, GMT 36, MER 10, SB 1, VOM 1	E-442KC	FO 12, FOT 5	E-524X	DT 5, MI 11, MIT 3
E-356X	GM 73, GMT 36, MER 10, SB 1, VOM 1	E-442X	FO 12, FOT 5	E-525KC	NIT 11
E-357KC	CHR 10, DT 1, GMT 2, IS 6, IST 1, OP 3	E-444K	GM 50	E-526KC	HO 17
E-357X	CHR 10, DT 1, GMT 2, IS 6, IST 1, OP 3	E-444X	GM 50	E-527KC	HO 4, SZ 4
E-358K	GM 11	E-446K	FO 22, FOT 11	E-528KC	CHR 23, DT 10, MI 13, MIT 5
E-358X	GM 11	E-446KC	FO 22, FOT 11	E-528X	CHR 23, DT 10, MI 13, MIT 5
E-359KC	GM 3, SB 3	E-446X	FO 22, FOT 11	E-529K	CHR 25, DT 12
E-359X	GM 3, SB 3	E-447K	FOT 43	E-530K	GM 88
E-360KC	NI 15, 18, NIT 3, 4, SB 4, TO 9	E-450K	AMC 3, CHR 17, GM 27, GMT 9, JEE 5, MER 1, OMC 1	E-531K	GM 20
E-360X	NI 15, 18, NIT 3, 4, SB 4, TO 9	E-450X	AMC 3, CHR 17, GM 27, GMT 9, JEE 5, MER 1, OMC 1	E-531X	GM 20
E-364X	TO 15, 21, TOT 3, 6	E-452KC	CHR 11, DT 2, MI 8, MIT 1	E-532K	GM 47
E-365X	NI 6	E-452X	CHR 11, DT 2, MI 8, MIT 1	E-532X	GM 47
E-366KC	NI 10, NIT 2	E-453K	CHR 15, 16, 19, DT 7	E-533K	GM 38
E-366X	NI 10, NIT 2	E-454K	CHR 14, 18, DT 3, 6	E-534K	GM 65
E-369K	GM 30, 47, GMT 20	E-454X	CHR 14, 18, DT 3, 6	E-534X	GM 65
E-369X	GM 30, 47, GMT 20	E-455KC	CHR 11, DT 2, MI 8, MIT 1, NI 19, NIT 5	E-535K	GM 21
E-370KC .50MM	CHR 1, HO 5, 8, 13	E-455X	CHR 11, DT 2, MI 8, MIT 1, NI 19, NIT 5	E-535X	GM 21
E-370X	CHR 1, HO 5, 8, 13	E-456KC	GM 6, TO 6-8	E-536K	DT 19
E-377K	GM 69, 88, GMT 44	E-456X	GM 6, TO 6-8	E-536X	DT 19
E-377X	GM 69, 88, GMT 44	E-458K	FO 44, FOT 33	E-539KC	GM 17, 18
E-378K	GM 109	E-458X	FO 44, FOT 33	E-539X	GM 17
E-378X	GM 109	E-459K	GM 58, GMT 28, MER 7	E-540KC	GM 7, TO 8
E-381K	AMC 4, GM 26, JEE 6, MER 2, OMC 2	E-459X	GM 58, GMT 28	E-540X	GM 7, TO 8
E-381X	AMC 4, GM 26, JEE 6, MER 2, OMC 2	E-460X	GMT 4	E-541KC	CHR 9, MI 5-7
E-384K	AMC 4, GM 26, GMT 8, JEE 6	E-464KC	FO 35, FOT 20, 31	E-541X	CHR 9, MI 5, 6
E-384X	AMC 4, GM 26, GMT 8, JEE 6	E-465K	FO 14, 17	E-542K	FO 10, 11, MZ 11, 13-15, MZT 4, 5
E-387KC	CHR 6	E-465X	FO 14, 17	E-542KC	FO 10, 11, MZ 11, 13-15, MZT 4, 5
E-387X	CHR 6	E-468K	GMT 49	E-542X	FO 10, MZ 11, 14, MZT 4, 5
E-392KC	SB 5, 6, SBT 1, 2, VOL 3, VWT 8	E-469KC	FO 7	E-544KC	GM 10
E-392X	SB 5, 6, SBT 1, 2, VOL 3, VWT 8	E-469X	FO 7	E-545K	GM 5, IS 2
E-393KC	TOT 17	E-470KC	FO 7	E-547KC 1.00MM	GM 8, 9, IS 3, 4
E-393X	TOT 17	E-470X	FO 7	E-549KC	GM 1, 2, SZ 1
E-402KC	HO 14	E-471K	FO 31, 32	E-550KC	GM 1
E-402X	HO 14	E-471X	FO 31	E-551KC	FO 2, MZ 5, 6
E-403X	HO 2, 3	E-473KC	NI 8, 12	E-551X	FO 2, MZ 5, 6
E-404K	CHM 16, IH 24	E-473X	NI 8, 12	E-552KC	FO 1
E-405K 20	FO 5	E-474X	NI 20	E-554KC	HO 15
E-405X	FO 5	E-475KC	IS 8, IST 2, NI 22, NIT 7	E-554X	HO 15
E-408X	GM 53	E-475X	IS 8, IST 2, NI 22, NIT 7	E-555KC	HO 20
E-409X	FOT 2, MZ 10, MZT 3	E-476K	FOT 3	E-556KC	HO 21
E-410X	FO 3	E-476X	FOT 3	E-558KC	NI 29-32
E-411K	GM 29, GMT 12, JEE 7	E-477K	GM 16	E-559KC	NI 23, NIT 9
E-411KC	GM 29, GMT 12, JEE 7	E-477X	GM 16	E-560KC	NIT 8
E-411X	GM 29, GMT 12, JEE 7	E-478K	GM 29	E-560X	NIT 8
E-412X	GM 15	E-478X	GM 29	E-561KC	NI 13
E-413X	FO 37, FOT 24	E-481K	FO 21, FOT 10	E-561X	NI 13
E-414K	GM 44, GMT 18, MER 4	E-481X	FO 21, FOT 10	E-562KC	TOT 12
E-414X	GM 44, GMT 18, MER 4	E-483KC	GMT 3	E-570X	GM 117
E-415K	FO 31, FOT 17	E-483K .75MM	GMT 3	E-577X	NI 11, 21
E-415X	FO 31, FOT 17	E-484K .75MM	GMT 3	E-585KC	BMW 3, 5, 10
E-416KC	TO 23, TOT 8	E-486KC	CHR 6, 7, MI 4, MZ 2	E-592KC	MB 3, 9-11
E-416X	TO 23, TOT 8	E-486X	CHR 6, 7, MI 4, MZ 2	E-594KC	FO 9, MZ 12
E-418K	CHR 14, DT 3	E-488KC	NI 26, 27	E-599KC	NIT 8
E-418X	CHR 14, DT 3	E-489KC	TO 4	E-599X	NIT 8
E-422X 30	IH 24	E-489X	TO 4	E-601KC	VOL 8, 9
E-424K	CHM 21, CHR 58, DT 31	E-491KC	NI 24, TO 27-29	E-602KC .50MM	BMW 7
E-424X	CHM 21, CHR 58, DT 31	E-491X	NI 24, TO 27, 28	E-605K	GM 31, 32, GMT 13
E-425KC 1.00MM	CHR 20, DT 8, MI 12, MIT 4	E-493KC	AUD 2, 3, VW 4, 7, VWT 3, 6	E-605X	GM 31, GMT 13
E-425X 1.00MM	CHR 20, DT 8, MIT 4	E-494K	AUD 6, VW 12	E-606KC	TO 19
E-427K	GM 11	E-494KC	AUD 6, VW 12, 14	E-609KC	TO 20
E-428K .75MM	GM 16, GMT 4	E-497KC	VOL 3, 4	E-611KC	TOT 7
E-428X	GM 16, GMT 4	E-498KC	VOL 5, 7	E-611X	TOT 7
E-429K	GM 16	E-509K	FOT 46, IH 27	E-612X	FOT 2, MZ 10, MZT 3
E-429X	GM 16	E-510K	MZT 8, TO 23, TOT 8, 9	E-613K	FOT 22
E-432K	GM 29, GMT 12, IST 7, JEE 7	E-510KC	MZT 8, TO 23, TOT 8, 9	E-613X	FOT 22
E-432X	GM 29, GMT 12, IST 7, JEE 7	E-510X	MZT 8, TO 23, TOT 8	E-615KC	MZ 8, 9
E-434K	GM 48	E-511KC	TO 5	E-616KC	IS 10, IST 5
E-435KC	SB 5-8, SBT 2	E-511X	TO 5	E-616X	IS 10, IST 5
E-436KC	TO 9, 10	E-512KC	HO 7	E-617K	IST 6
E-436X	TO 9, 10	E-515KC	GMT 1, HO 9, 11, 12, SZT 3	E-617X	IST 6
E-437X	TO 15, 21, TOT 3, 6	E-516KC	CHR 2, MI 1	E-618KC	MZ 16, 17, MZT 9
		E-516X	CHR 2, MI 1	E-619KC	MI 1
		E-517KC	GM 7, HO 18, 19, TO 8	E-623KC	DT 26
				E-628K	GMT 28
				E-631KC	HO 23
				E-646KC	HO 16
				E-648K	MER 16

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
E-658KC	ROV 1	HT-6000B	CHR 6, 9, 11, 21, 23, DT 2, 4, 5, 8, 10, MI 5, 7, 8, 11, 12, MIT 1-5, MZT 7	H423NCP	GM 88, GMT 44, MER 12
E-728KC	IST 4	HT-6004	TO 17, 27	H423NP	GM 88, GMT 44, MER 12
E-731KC	IS 9	HT-6005	TOT 4, 7	H435P	FO 12, FOT 5
E-742KC	CHR 4, MI 2	HT-6011	NI 20	H471CP 30	GM 53
E-753KC	SZT 1	HT-6035	SB 7, 8, 12	H491P	FOT 3
E-754KC	MZ 3	HT-812	CHM 10, CHR 30, 32, 34, 37, 38, 42, 44, 46, 48-50, 52-54, 56-58, DT 21, 23, 25	H497P	FO 22, FOT 11
E-757KC	NIT 10	HT-812B	CHM 10, CHR 30, 32, 34, 37, 38, 42, 44, 46, 48-50, 52-54, 56-58, DT 21, 23, 25	H518CP	GM 119, GMT 54
E-776KC	SZ 4, SZT 2	HT-817	GM 15, 22, 24, 27, 28, 33, 37, 41, 44, 45, 51, 57, 58, 63, 64, 66, 73, 75, 80, 85, 88, 100, 104, 108, 110, 115, 119, GMT 7, 9, 11, 14, 15, 18, 19, 26, 28-30, 32, 34, 36, 38, 40, 43-45, 50-52, 54, MER 1, 2, 4-8, 10-12, 14, 15, OMC 1, 2, 4-6, 9, 10, ST 2, 6, VOM 1, 2	H519P	FOT 31
E-778KC	MI 6	HT-817B	GM 15, 22, 24, 27, 28, 33, 37, 41, 44, 45, 51, 57, 58, 63, 64, 66, 73, 75, 80, 85, 88, 100, 104, 108, 110, 115, 119, GMT 7, 9, 11, 14, 15, 18, 19, 26, 28-30, 32, 34, 36, 38, 40, 43-45, 50-52, 54, MER 1, 2, 4-8, 10-12, 14, 15, OMC 1, 2, 4-6, 9, 10, ST 2, 6, VOM 1, 2	H521ACP	GM 48
E-786KC	GMT 5, IST 3	HT-817R	GM 73, 75, 88, 104, 119, GMT 36, 44, 51, 54	H523CP	FO 31
E-806KC	AUD 10, 11	HT-817RB	GM 73, 75, 88, 104, 119, GMT 36, 44, 51, 54	H523P	FO 31
E-827KC	PEU 7	HT-855	IH 2, 5, 17, 19, 21, 22, 24	H529P	FO 7
E-837KC	GMT 5, IST 3	HT-855B	IH 2, 5, 17, 19, 21, 22, 24	H534CP	GM 73
E-852KC	NI 14	HT-879*	AMC 10, 15, 17, CHR 43, 45, DT 24	H537P	FO 12, FOT 5
E-882KC	SB 10	HT-896	GM 36, 39, 40, 43, 68, 77, 83, 86, 92, 93, 98, 103, 106, 107, 114, 117, 118, JEE 8, 17, OMC 3, 7	H547CP	AMC 4, GM 26, GMT 8, JEE 6
E-897K	FOT 45	HT-896B	GM 36, 39, 40, 43, 68, 77, 83, 86, 92, 93, 98, 103, 106, 107, 114, 117, 118, JEE 8, 17, OMC 3, 7	H547P	AMC 4, GM 26, GMT 8, JEE 6
FSM-104S	GM 42, 49, GMT 16, 21	HT-900	FO 14, 17, 22, 27, 31, 37, 40, 42, 44, 49-51, 57, 63, 65, FOT 11, 17, 20, 24, 29, 31, 33, 36, 37, 42, 45, 47, MER 3, 9, 13, OMC 8, 11	H553CP	AMC 4, GM 26, JEE 6
FSM-105S	GM 42, 49, GMT 16, 21	HT-900B	FO 14, 17, 22, 27, 31, 37, 40, 42, 44, 49-51, 57, 63, 65, FOT 11, 17, 20, 24, 29, 31, 33, 36, 37, 42, 45, 47, MER 3, 9, 13, OMC 8, 11	H555CP	FO 49
FSM-124S	GM 49, 56, GMT 21	HT-900R	FO 42, 44, 49, 51, 65, FOT 29, 33, 37, 47, MER 3, 9, 13, OMC 8, 11	H558P	GM 47
HLC997CP	IH 19, 21	HT-900RB	FO 42, 44, 49, 51, 65, FOT 29, 33, 37, 47	H559P	FO 13
HT-2011	AMC 3, 6, 8, 9, 11-16, 18-20, CHM 11, 12, 14, 15, 17, CHR 17, 35, 43, 47, 51, DT 19, 24, 27, 29, IH 9, 14, 26, JEE 5, 12-16, 18, 19	HT-951	GM 34, 54, 67, 74, 76, 79, 81, 84, 86, 87, 91, 95, 97, 102, 105, 109, 111, 113, 116, 120, 121, GMT 33, 39, 41, 42	H561CP	GM 31
HT-2011B	AMC 3, 6, 8, 9, 11-16, 18-20, CHM 11, 12, 14, 15, 17, CHR 17, 35, 43, 47, 51, DT 19, 24, 27, 29, IH 9, 14, 26, JEE 5, 12-16, 18, 19	HT-951B	GM 34, 54, 67, 74, 76, 79, 81, 84, 86, 87, 91, 95, 97, 102, 105, 109, 111, 113, 116, 120, 121, GMT 33, 39, 41, 42	H561P	GM 31
HT-2011R	AMC 13, 14, 16, 18-20, CHM 17, 18, 21, CHR 57, 58	HT-951R	GM 105	H562CP	GM 31, GMT 13
HT-2012	FO 12, 13, FOT 3, 5	HT-951RB	GM 105	H564P	GM 38
HT-2012B	FO 12, 13, FOT 3, 5	HT-969	AMC 4, GM 16, 20, 26, 30, 35, 47, 48, 50, 53, 62, 69, 70, 86, 94, 103, 112, 117, 118, 122-124, GMT 4, 20, JEE 6, 17, MER 15	H565P .50MM	GM 17
HT-2056	GM 3, 10-13, 17, 18	HT-969B	AMC 4, GM 16, 20, 26, 30, 35, 47, 48, 50, 53, 62, 69, 70, 86, 94, 103, 112, 117, 118, 122-124, GMT 4, 20, JEE 6, 17, MER 15	H566P	GM 21
HT-2056B	GM 3, 10-13, 17, 18	HT-969R	GM 35, 47, 48, 53, 86, 103	H570P	FOT 22
HT-2083	FO 15, 19, 21, 24, 36, 46, 47, 52-56, 59, 61, 62, 64, 66, FOT 10, 12, 38, 39, 41, 44	HT-976	CHR 53, 55, 58, DT 29-31	H579P	CHR 19, DT 7
HT-2083B	FO 15, 19, 21, 24, 36, 46, 47, 52-56, 59, 61, 62, 64, 66, FOT 10, 12, 38, 39, 41, 44	HT-976B	CHR 53, 55, 58, DT 29-31	H580CP	OMC 10
HT-2089	CHR 27, DT 15	H1117CP	IH 2	H580P	OMC 10
HT-2089B	CHR 27, DT 15	H273CP	FO 42, 44	H581CP	GM 119
HT-2095	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	H304P	FO 56	H582CP	FOT 47
HT-2095B	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	H345NCP	GM 88, MER 12, VOM 2	H582P	FOT 47
HT-2102	FO 3, 7	H345NP	GM 88, MER 12, VOM 2	H586P	GMT 1
HT-2102B	FO 3, 7	H395P	FOT 39	H587CP	GMT 49
HT-2104	FOT 43, 46, GM 59, 74, 90, GMT 46, 49, IH 27	H418CP	FO 65, FOT 47	H587P	GMT 49
HT-2104B	FOT 43, 46, GM 59, 74, 90, GMT 46, 49, IH 27	H418P	FO 65, FOT 47	H589P .50MM	CHR 20
HT-2105	CHR 14, 15, 18, 19, DT 3, 6, 7			H597CP	GM 88
HT-2105B	CHR 14, 15, 18, 19, DT 3, 6, 7			H605P	DT 8, MIT 4, MZT 7
HT-2148	GM 26, 38, 47, 50, 58, 65, 73, 88, GMT 8, 28, MER 7, 12, OMC 5			H606P	FO 44
HT-2148B	GM 26, 38, 47, 50, 58, 65, 73, 88, GMT 8, 28, MER 7, 12, OMC 5			H618CP	GM 88, GMT 44
HT-2198	NI 29, 32, NIT 11			H645NCP	GM 58, GMT 28
HT-2205	FO 31, 32, 44			H651CP	FOT 46, IH 27
HT-2205B	FO 31, 32, 44			H653CP	FO 51, FOT 37
HT-2217	FO 7			H653P	FO 51, FOT 37
HT-2217B	FO 7			H654CP 20	FO 44, FOT 33
HT-2236	GM 21, 89, VW 7, 13, 16			H654P	FO 44, FOT 33
HT-2236B	GM 21, 89			H661CP	GM 119, GMT 54, MER 15
HT-2244	FOT 22			H675CP	FO 32
HT-2244B	FOT 22			H693CP	GM 119
HT-2254	FO 1, 2, 10, 11, MZ 5, 7, 8, 14-16, MZT 5, 8, 9, SB 10			H695CP 30	GMT 28
HT-2254B	FO 1, 2, 10, 11, MZ 5, 8, 14-16, MZT 5, 8, 9			H695P	GMT 28
HT-2269	CHR 25, 43, DT 12, 19, 24, 27			H728P	GMT 28
HT-2269B	CHR 25, 43, DT 12, 19, 24, 27			H729CP	FOT 43
HT-2272	GM 1, SZ 3			H801CP	GM 74
HT-2274	CHR 4, 5, 12, 13, MI 2, 3, 9, 10			H824CP 20	GM 58
HT-2276	MZ 6, 9			H826CP 30	MER 10
HT-2277	NI 16, 30, 31			H827P	TO 20
HT-2279	MER 16			H828P	HO 21
HT-2293	MZ 17			H832CP	NI 29, NIT 11
HT-2302	DT 26			H833CP	TO 18
HT-6000	CHR 6, 9, 11, 21, 23, DT 2, 4, 5, 8, 10, MI 5, 7, 8, 11, 12, MIT 1-5, MZT 7			H834CP	CHR 23, DT 10, MI 13, MIT 5
				H836CP	HO 9
				H896CP	MER 2, OMC 2
				H897CP	MER 2, OMC 2
				H909CP	GMT 34
				H909P	GMT 34
				H951P 30	GMT 40, MER 11
				H996CP	IH 24
				H997CP	IH 19, 21
				KCT-1004R	GMT 50, 52, 54
				KCT-1014R	GMT 32, 36, 38, 40, 44, 51
				KCT-1015R	GMT 50, 52, 54
				KCT-1088R	GMT 50, 52, 54
				KCT-1230	FOT 31
				KCT-1230C	FOT 20, 31
				KCT-1510	FOT 22
				KCT-1511	FOT 22
				KCT-1525	TOT 12
				KCT-1539	GM 29, 31, 32
				KCT-1540	GM 65
				KCT-165R	GM 119

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
KCT-274	GM 66, 73, 75, 80, 88, 104, GMT 32, 38, 40, 44, 45, 51	KCT-785C	CHR 14, 15, 18, 19, DT 6, 7	KC-636	GM 100, 115, GMT 50
KCT-274A	GM 66, 80, GMT 32, 40, ST 6	KCT-785D	CHR 14, 15, DT 3	KC-641	GM 87, 97, 105, 111, 116, 121
KCT-274C	GMT 32, 44, 51	KCT-785F	CHR 14, 15, DT 3	KC-642	FO 56, 59, 62, FOT 44
KCT-274D	GMT 44	KCT-785G	CHR 18, DT 6	KC-643	FO 56, FOT 38, 39, 41
KCT-274E	GM 88	KCT-785H	CHR 18, DT 6	KC-644	CHM 14, CHR 47, 51, DT 27
KCT-327	CHR 53, 55, 58, DT 29-31	KCT-785K	CHR 18, DT 6	KC-645	CHR 35, 43, DT 24, 27
KCT-560	FO 42	KCT-786	FO 31	KC-646	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19
KCT-560A	FO 42, 44, FOT 33	KCT-787	FO 22, FOT 11	KC-647	GM 86
KCT-560C	FO 44, FOT 33	KCT-788	FO 14, 17	KC-648	FO 63, 65, FOT 45, 47
KCT-633	GM 33, 45	KCT-790	FO 7	KC-652	AMC 8, 9, 11, IH 9, 14, JEE 12, 14
KCT-633A	GM 33, 45, 51, GMT 14, 19, 26	KCT-791	FO 7	KC-656	GM 94, 112, 123, 124
KCT-633E	GMT 26	KCT-809	JEE 13	KC-658	FO 24, 36
KCT-636A	GM 100, 115, GMT 50	KCT-811	GM 16, 20	KC-660	GM 119, GMT 54
KCT-641	GM 87, 97, 105, 111, 116, 121	KCT-813	GM 30, 47	KC-661	CHR 53, 55, 58
KCT-643	FO 56, FOT 38, 39, 41	KCT-814	FOT 10	KC-665	CHR 51, DT 27
KCT-643A	FOT 39, 41	KCT-842	DT 19	KC-666	FO 12, 13, FOT 5
KCT-644	CHR 47, 51	KCT-843	NI 29, 32, NIT 11	KC-666A	FO 12, 13, FOT 5
KCT-644A	DT 27	KC-1004R	GM 100, 108, 115, 119, GMT 50, 52, 54	KC-666C	FO 12, 13, FOT 5
KCT-645	CHR 35, 43, DT 24, 27	KC-1008R+	FO 44, 51	KC-667	FO 49, 50, 57, FOT 36, 42
KCT-645A	CHR 43, DT 24, 27	KC-1014R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51	KC-668	FO 37, 44, FOT 24, 33
KCT-646	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19	KC-1015R	GM 100, 108, 115, 119, GMT 50, 52, 54	KC-673	GM 64, GMT 30, 36
KCT-646A	AMC 14, JEE 15, 18	KC-1016R	GM 35, 47, 48, 53	KC-674	FO 51, FOT 37, MER 9, OMC 8, 11
KCT-647	GM 86	KC-1026R	AMC 13, 14, 16, 18-20	KC-676	GM 86
KCT-648	FO 63, 65, FOT 47	KC-1032R	GM 29	KC-677	GM 51, GMT 26
KCT-648C	FOT 47	KC-1043M	MER 10, 12	KC-690A	GM 62, 69
KCT-650	FO 49	KC-1045M	MER 14, 15	KC-690C	GM 87, 105
KCT-651	GM 74, 81, 91, 120	KC-1047M	MER 15	KC-698	GM 54
KCT-651A	GM 102, 120	KC-1057M	MER 9, 13	KC-702	GM 30, 35, 47, 48, 53, GMT 20
KCT-652	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	KC-1067R	MER 13	KC-707	GM 74, 86, 91, 109
KCT-656	GM 94, 112, 123, 124	KC-1068M	MER 2, OMC 2	KC-708	GM 26
KCT-658	FO 24	KC-1084R	FO 44, 51, FOT 37	KC-708A	GM 27
KCT-660	GM 119, GMT 54	KC-1088R	GM 100, 108, 115, 119, GMT 50, 52, 54	KC-709	CHR 27, DT 15
KCT-660A	GMT 54	KC-1092M	MER 6	KC-711	GM 57, 64, 73, GMT 30, 36
KCT-665	CHR 51, DT 27	KC-1093M	MER 14, 15	KC-712	GM 37, 44, GMT 15, 18
KCT-665A	CHR 51, DT 27	KC-1095R	GM 88	KC-713	AMC 11, JEE 14
KCT-666A	FO 12, 13, FOT 5	KC-1103R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51	KC-715	GM 29, GMT 12, 13, JEE 7
KCT-666C	FO 12, 13, FOT 5	KC-1106R	GM 64, 66, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, 51	KC-733	FO 31, FOT 17
KCT-667	FO 49, 57, FOT 36, 42	KC-1112R	GM 35, 47, 48, 53	KC-745	FOT 9
KCT-667A	FO 49, 50, 57, FOT 42	KC-1114R	GM 88	KC-748	FO 31
KCT-668	FO 37, 44, FOT 24, 33	KC-1115R	FO 44, 51	KC-751	GM 50
KCT-668A	FO 44, FOT 33	KC-1117R	GM 71	KC-756	GM 58, GMT 28
KCT-673	GM 64, GMT 30, 36	KC-1118R	GM 71	KC-758	GM 74
KCT-674	FO 51	KC-1123R	FOT 20, 31	KC-759	FO 44
KCT-674A	FO 51, FOT 37	KC-1231R	FO 44, 51, FOT 37	KC-760	FO 44
KCT-677	GMT 26	KC-1501	DT 19	KC-761	FO 44
KCT-677C	GM 51, GMT 26	KC-1503	CHR 25, DT 12	KC-764	FO 51, FOT 37, MER 9, 13
KCT-702	GM 30, 35, 47, 48, 53, GMT 20	KC-1505	GM 38, 47	KC-766	GM 73, 88
KCT-707	GM 74, 91, 109	KC-1506	GM 47	KC-767	FO 12, 13, FOT 3, 5
KCT-711	GM 57, 64, 73, GMT 30, 36	KC-1507	GM 26	KC-767A	FO 12, 13, FOT 3, 5
KCT-712	GM 37, 44, GMT 15, 18	KC-1509	FO 10, 11, MZ 14, 15	KC-767C	FO 12, 13, FOT 3, 5
KCT-713	AMC 11, JEE 14	KC-1510	FOT 22	KC-770	GMT 49
KCT-713A	AMC 11, JEE 14	KC-1511	FOT 22	KC-771	FOT 43, 46, IH 27
KCT-715	GM 29, GMT 12, JEE 7	KC-1518	GM 26	KC-774	GM 108, 119, GMT 52, 54
KCT-715A	GMT 13	KC-1525	TOT 12	KC-775	CHR 15
KCT-733	FO 31, FOT 17	KC-1539	GM 29, 31, 32, GMT 12, IST 7	KC-775A	CHR 15
KCT-745	FOT 9	KC-1540	GM 50, 65	KC-775C	CHR 15
KCT-748	FO 31	KC-1551	TO 18	KC-778	GM 12
KCT-751	GM 50	KC-1556	CHR 43, DT 27	KC-779	AMC 3, CHR 17, JEE 5
KCT-756	GM 58	KC-1565	DT 24	KC-781	GM 26
KCT-760	FO 44	KC-165R	GM 100, 108, 115, 119	KC-782	GM 26, GMT 8
KCT-761	FO 44	KC-169	FO 47, 52, 53, 56	KC-783	GM 58, GMT 28
KCT-764	FO 51, FOT 37	KC-187	GM 67, 79, 84, 95, 97, GMT 39, 42	KC-785	CHR 14, 15, 18, 19, DT 3, 6, 7
KCT-764C	FO 51, FOT 37	KC-261	FO 15, 19, FOT 7, 8	KC-785A	CHR 14, 15, 18, 19, DT 3, 6, 7
KCT-766A	GM 73, 88	KC-273	GM 63, 66, GMT 29, 32	KC-786	CHR 14, 15, 18, 19, DT 3, 6, 7
KCT-767	FO 12, 13, FOT 3, 5	KC-274	GM 66, 73, 75, 80, 88, 104, GMT 32, 38, 40, 44, 45, 51, MER 8, 11, OMC 6, 9, 10, ST 6	KC-787	FO 31
KCT-767A	FO 12, 13, FOT 3, 5	KC-327	CHR 53, 55, 58, DT 29-31	KC-788	FO 22, FOT 11
KCT-767C	FO 12, 13, FOT 3, 5	KC-327A	CHR 49, 52, 53, 56-58	KC-790	FO 14, 17
KCT-771	FOT 43, 46, IH 27	KC-380	CHR 22, 24, 27, DT 9, 11, 15	KC-791	FO 7
KCT-774	GM 108, 119, GMT 52, 54	KC-443	FO 52, 56, FOT 38	KC-792	FO 7
KCT-774A	GMT 54	KC-448	FO 15, 19, 24, FOT 12	KC-793	GM 48
KCT-774C	GMT 54	KC-551	GMT 34	KC-802	GM 73
KCT-775	CHR 15	KC-560	FO 42, 44, FOT 29, 33, OMC 8	KC-803	TOT 16
KCT-775A	CHR 15	KC-586	GM 103, 118, 122	KC-808	TOT 15, 17
KCT-775C	CHR 15	KC-633	GM 33, 41, 45, 51, GMT 14, 19, 26, OMC 4, ST 2	KC-809	GM 73, 88
KCT-778	GM 12			KC-811	JEE 13
KCT-779	AMC 3, CHR 17, JEE 5			KC-813	GM 16, 20
KCT-781	GM 26			KC-814	GM 30, 47
KCT-782	GM 26, GMT 8			KC-814	FOT 10
KCT-783A	GM 58			KC-828+	AMC 14, JEE 15
KCT-785	CHR 14, 15, 18, 19, DT 6, 7			KC-829	DT 19
KCT-785A	CHR 14, 15, 18, 19, DT 6, 7			KC-831	GM 21
				KC-832	GM 21

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
KC-836	GM 47	KT3-498SA1	GM 94, 112, 123, 124	MKF-6038A	GMT 44
KC-841	FO 1, 2, MZ 5	KT3-498SA2	FO 49, 50, 57, FOT 42	MKF-6038C	GMT 44
KC-842	DT 19	KT3-498SA3	GM 54, 74, 81, 91, 109, 120	MKF-6038D	GMT 44
KC-843	NI 29, 32, NIT 11	KT3-499S	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 30, 32, 36, 38, 40, 44, 45, 51, MER 4, VOM 1, 2	MKF-6086C	GMT 54
KC-847	HO 15, 17			MKF-6115A	FO 44
KC-850	GM 74	KT3-499SA	GM 37, 44, 58, GMT 15, 28, 36, 44	MKF-6116A	FO 51, FOT 37
KC-860	FO 31	KT3-499SA3	GM 58, 73, 88	MKF-613C	GM 119, GMT 54
KC-861	FO 32	KT3-499SA5	GM 88	MKF-613E	GM 119, GMT 54
KC-863	FO 7	KT3-499SA6	GM 58, GMT 28	MKF-6151A	GM 88
KC-864	CHR 23, DT 10, MIT 5	KT3-501S	CHM 17, 21, CHR 52, 53, 55, 58, DT 29-31	MKF-627C	FO 51, FOT 37
KC-865	CHR 23, DT 10, MIT 5			MKF-627D	FO 51
KC-866	CHR 23, DT 10, MIT 5	KT3-501SA	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	MKF-630C	GM 88, GMT 44
KS2-2743B	DT 26			MKF-630D	GM 88, GMT 44
KT-1010S	FOT 2	KT3-503S	GM 50, 65	MKF-630F	GMT 44
KT-1013S	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	KT3-503SA	GM 65	MKF-637F	FOT 47
KT-1014S	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	KT3-504S	AMC 11, JEE 14	MKF-648D	GM 73
KT-1018S	TO 3	KT3-505S	FO 14, 17	MKF-653D	FO 42, 44, FOT 33
KT-1019S	TO 21, 23, TOT 6, 8	KT3-507S	GMT 54	MKF-653F	FO 44, FOT 33
KT-1020S	TO 23, TOT 8	KT3-60S	FO 21, FOT 10	MKF-653H	FO 44, FOT 33
KT-1021S	TO 13, 15, TOT 1, 3	KT3-64S	FOT 22	MKF-658A	GM 88, GMT 44
KT-1022S	TO 9, 10, TOT 4, 7	L-2111F 30	GM 97	MKF-658C	GMT 44
KT-1028S	TO 23, TOT 8, 9	L-2163F 30	GM 66, GMT 32, MER 8, OMC 6, ST 6	MKF-660A	GMT 54
KT3-D130SA	GM 21			MKF-724D	GM 48
KT3-160S	CHM 11, 12, 14, 15, CHR 43, 47, 51, DT 19, 24, 27	L-2165F	GM 80	MKF-760A	FO 44, FOT 33
KT3-163S	GMT 32, 44, 51, MER 8, 10-12, OMC 6, VOM 2	L-2166NF	GM 80	MKF-761A	FO 51, FOT 37
KT3-163SA	FO 44, 51, FOT 37	L-2206F	GM 28, GMT 11	MKF-761C	FO 51, FOT 37
KT3-163SA1	FO 44, 51, FOT 33, 37	L-2239NF 30	GM 115	MKF-761D	FO 51, FOT 37
KT3-168S	CHR 52, 53, 55-58	L-2240NF	GM 100, GMT 50	MKF-768A	FOT 47
KT3-168SA	CHR 57, 58	L-2242F 30	GM 100	MKF-774C	FOT 37
KT3-168SA2	FOT 47	L-2256F	GM 88, GMT 44, MER 12, VOM 2	MKF-888A	FO 44
KT3-171S	GMT 54	L-2257F 30	GM 116	MKP-1002A	FOT 33
KT3-180S	GM 55, 90, GMT 46	L-2262F	GM 105	MKP-1003A	FOT 47
KT3-181S	GMT 49	L-2266F	CHR 58	MKP-1007A	GM 26, GMT 8
KT3-3SR64S	AMC 3, CHR 17, JEE 5	L-2267F 30	GM 117	MKP-1008A	GM 26
KT3-349S	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19	L-2268F	GM 115	MKP-1009A	GM 27
KT3-350S	GM 34, 79, 87, 97, 105, 111, 116, 121	L-2269F 30	GM 97	MKP-101C	FO 56
KT3-351S	FO 15, 19, 24, FOT 7, 8, 12	L-2291F	FO 56	MKP-101D	FO 56
KT3-356S	FO 27, 40, 42	L-2300F	GM 115	MKP-101E	FO 56
KT3-358S	FO 42, 44, 51, FOT 33, 37, MER 9, OMC 8	L-2303NF	FO 62	MKP-101F	FO 56, FOT 41
KT3-358SA	FO 37, 44, 51, FOT 24, 33, 37, MER 9, 13, OMC 8, 11	L-2304F	GM 88, GMT 44	MKP-101M	FOT 41
KT3-359S	GM 36, 39, 40, 43, 47, 68, 83, 86, 107, JEE 8, 17, OMC 3, 7	L-2305F	FO 42, 44, FOT 29, 33, MER 9, OMC 8	MKP-101N	FOT 39
KT3-359SA1	GM 30, 35, 47, 48, 53, GMT 20	L-2315F 30	CHR 53	MKP-101P	FOT 39
KT3-359SA2	GM 30, 47	L-2316F 20	CHR 47	MKP-1010A	GM 27
KT3-361S	CHM 12, CHR 35, 43, 51, DT 22, 24, 27	L-2320F	GM 91	MKP-1011B	GM 29, GMT 12
KT3-365SA	FO 31, FOT 17	L-2321F 30	GM 91	MKP-1011C	GMT 12
KT3-365SA1	FO 31, 32	L-2323F	GM 120	MKP-1012E	GM 29
KT3-368S	GM 29, 31, GMT 12, IST 7, JEE 7	L-2328F 30	GM 108	MKP-1019A	GM 58
KT3-369S	AMC 14, JEE 15, 18	L-2329F 30	CHR 43, DT 24	MKP-102A	CHR 22, 24, 27, DT 9, 11, 15
KT3-370S	GM 16, 20, GMT 4	L-2346F 30	GM 102	MKP-1020A	GM 58
KT3-370SA1	FO 44, FOT 33	L-2349F	GM 119	MKP-1021A	GM 58
KT3-372S	GM 29, 31, 32, GMT 13	L-2352F 30	GM 104	MKP-1024C	GM 73
KT3-373S	GM 29, 31, GMT 12, IST 7, JEE 7	L-2353F 30	GM 122	MKP-1024D	GM 73
KT3-374S	FO 22, FOT 11	L-2354F 30*	GM 108	MKP-1026A	GM 73
KT3-377S	GM 38	L-2355F	CHM 21, CHR 58	MKP-1026C	GM 73
KT3-378S	GM 26	L-2359F	GM 121	MKP-1026E	GM 73, GMT 36
KT3-380S	DT 19, 24, 27	L-2366F	FO 63	MKP-1027A	GM 73
KT3-381S	GM 47	L-2377F	GM 119, GMT 54, MER 15	MKP-1027C	GM 73
KT3-381SA	GM 47	L-2378F 30	FO 51	MKP-103A	CHR 27, DT 15
KT3-388S	CHR 25, DT 12	L-2379F	FO 49	MKP-1036A	CHR 27, DT 15
KT3-4SR46	GMT 44, MER 10, 11	L-2380F 30	AMC 20	MKP-1037A	GMT 44
KT3-4SR48	JEE 13	L-2383F 30	GM 108, GMT 51, 52	MKP-1037C	GMT 44
KT3-489S	GM 63, 66, 80, GMT 29, 32, 40, ST 6	L-2385F 30*	CHM 14, CHR 47	MKP-104A	CHR 27, DT 15
KT3-491S	FO 63, 65, FOT 47	L-2386F 30	DT 27	MKP-105D	FOT 8
KT3-491SA	FO 63, 65, FOT 45	L-2390F 30	GM 120	MKP-105G	FO 19
KT3-494S	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	L-2399F	GM 119, MER 15	MKP-106A	GMT 34
KT3-494SA1	FO 52, 56, 58, 59, 61, 62, FOT 38, 39, 41, 44	L-2403NF	GM 88, GMT 44, MER 12	MKP-106C	GMT 34
KT3-494SA2	FO 49, 57, FOT 36, 42	L-2404F	FO 65, FOT 47	MKP-106D+	GMT 34
KT3-494SA3	FOT 39, 41	L-2446F	FO 51, FOT 37, OMC 11	MKP-106E+	GMT 34
KT3-494SA4	FO 52, 53, 56, 58	L-2453F	MER 15	MKP-107A	GMT 34
KT3-494SA5	GM 101, 102, 113, 120	L-2455F .75MM	FO 12, 13, FOT 5	MKP-107B+	GMT 34
KT3-495S	CHM 5, CHR 49, 52, 53, 56, 57	L-2481F	GM 48	MKP-108A	FO 24, FOT 12
KT3-495SA	CHR 22, 24, 27, DT 9, 11, 15	L-2482F	FO 42, 44, FOT 29, 33	MKP-108C	FO 24
KT3-498S	GM 103, 118, 122	L-2486F 30	GM 73	MKP-108D	FO 24
		L-2488F	FO 44	MKP-1086C	GMT 54
		L-2500F .50MM	FO 13	MKP-1087A	FOT 31
		MKF-6003A	FOT 47	MKP-1092A	JEE 13
		MKF-6023A	GM 73	MKP-1093A	CHR 14
		MKF-6024C	GM 73	MKP-1093C	CHR 18, DT 6
		MKF-6024D	GM 73	MKP-1097A	CHR 18, DT 6
		MKF-6037A	GMT 44	MKP-1098A	DT 19
		MKF-6037C	GMT 44	MKP-1098C	DT 19
				MKP-1099C	DT 19

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MKP-1103C	FO 7	MKP-1251A	FOT 33	MKP-227K	JEE 7
MKP-1106A	FO 14	MKP-1251C	FOT 33	MKP-228C	JEE 7
MKP-1107A	FO 14	MKP-1253A	FOT 33	MKP-228H	JEE 7
MKP-1110A	FO 22	MKP-1263A	FOT 22	MKP-228L	GM 29, GMT 12
MKP-1111A	FO 31	MKP-1264A	FOT 22	MKP-228M	GM 29
MKP-1111C	FO 31	MKP-127A	FO 51, FOT 37	MKP-232A	GM 53
MKP-1112B+	FO 31	MKP-127C	FO 51, FOT 37	MKP-233A	GM 53
MKP-1112C	FO 31	MKP-127D	FO 51	MKP-239A	GMT 26
MKP-1113B	FO 31	MKP-130A	GM 80	MKP-239C	GMT 26
MKP-1113C	FO 31	MKP-130C	GM 88, GMT 44	MKP-239D	GMT 26
MKP-1114B+	FO 31	MKP-130D	GM 88, GMT 44	MKP-243A	CHR 43, DT 24
MKP-1114C	FO 31	MKP-130F	GMT 44	MKP-244C	DT 24
MKP-1115A	FO 44	MKP-132E	CHR 58	MKP-252A	FO 12, FOT 5
MKP-1116A	FO 51, FOT 37	MKP-132G	CHR 58	MKP-257A	FO 31, FOT 17
MKP-112C	FOT 20	MKP-1329A	CHR 23, DT 10	MKP-258A	FO 31
MKP-112D	FOT 20	MKP-133A	GM 74	MKP-260A	FO 44, FOT 33
MKP-112E	FOT 31	MKP-134A	GM 86	MKP-261A	FO 51, FOT 37
MKP-1120A	FOT 11	MKP-134C	GM 86	MKP-261C	FO 51, FOT 37
MKP-1121A	FOT 33	MKP-137A	FO 63, FOT 45	MKP-261D	FO 51, FOT 37
MKP-1121C	FOT 33	MKP-137C	FO 63	MKP-263A	FOT 5
MKP-1123A	FOT 47	MKP-137D	FO 65	MKP-265C	FOT 31
MKP-1124A	FOT 47	MKP-137E	FO 65, FOT 47	MKP-268A	FOT 47
MKP-113C	GM 119, GMT 54	MKP-137F	FOT 47	MKP-274A	FOT 37
MKP-113E	GM 119, GMT 54	MKP-1373A	GM 26	MKP-274C	FOT 37
MKP-1131A	GM 20	MKP-1374A	GM 26	MKP-330C	TO 23, TOT 8
MKP-1134A	GM 26	MKP-1377	DT 24	MKP-354A	TO 23, TOT 8
MKP-1135A	GM 26	MKP-138A	GM 91	MKP-358A	AMC 3, JEE 5
MKP-1136A	GM 26	MKP-139C	GM 91	MKP-359A	CHR 17, JEE 5
MKP-114A	GM 51, GMT 26	MKP-140E	GM 105	MKP-360A	JEE 14
MKP-114C	GM 51, GMT 26	MKP-142A	CHR 55	MKP-360C	AMC 11, JEE 14
MKP-114D	GM 45, GMT 19	MKP-146A	FO 12, FOT 5	MKP-369C	CHR 14, DT 3
MKP-114E	GMT 26	MKP-147A	GMT 36	MKP-382A	FO 14
MKP-114F	GMT 26	MKP-148A	GM 73, GMT 36	MKP-383A	FO 14
MKP-114G	GM 51, GMT 26	MKP-148D	GM 73	MKP-386A	FO 31
MKP-114H	GMT 26	MKP-153A	FO 42	MKP-388A	FO 44
MKP-1148A	GM 74	MKP-153D	FO 42, 44, FOT 33	MKP-391A	FOT 3
MKP-1148D	GM 74	MKP-153F	FO 44, FOT 33	MKP-398A	FOT 10
MKP-115A	GM 51, GMT 26	MKP-153G	FO 44	MKP-398C	FOT 10
MKP-115E	GMT 26	MKP-153H	FO 44, FOT 33	MKP-6002A	FOT 33
MKP-1151A	GM 88	MKP-153J	FO 42	MKP-6003A	FOT 47
MKP-1153A	GM 88	MKP-153L	FO 42	MKP-6004A	FOT 43
MKP-1155A	GMT 8	MKP-158A	GM 88, GMT 44	MKP-6006A	GM 16
MKP-1156A	GMT 44	MKP-158C	GMT 44	MKP-6007A	GM 26, GMT 8
MKP-1156C	GMT 44	MKP-160A	GMT 54	MKP-6008A	GM 26
MKP-1156D	GMT 44	MKP-161A	GM 108, GMT 52	MKP-6009A	GM 27
MKP-116A	GMT 26	MKP-162A	GM 80	MKP-601C	FO 56
MKP-117A	AMC 14, JEE 15	MKP-162C	GM 80	MKP-601D	FO 56
MKP-117C+	AMC 14, JEE 15	MKP-162D	GM 80	MKP-601E	FO 56
MKP-118A	GM 104	MKP-162E	GM 80	MKP-601F	FO 56, FOT 41
MKP-118D	GM 104	MKP-162F	GM 80	MKP-601M	FOT 41
MKP-1182A	TOT 8	MKP-162J	GMT 40	MKP-601N	FOT 39
MKP-1183D	GM 31	MKP-167E	CHR 53, DT 29	MKP-601P	FOT 39
MKP-1184A	GMT 13	MKP-167F	CHR 53	MKP-6010A	GM 27
MKP-1184B	GMT 13	MKP-183C	CHR 51, DT 27	MKP-6011B	GM 29, GMT 12
MKP-1184C	GM 31	MKP-186A	GM 100	MKP-6011C	GMT 12
MKP-1186A	FOT 3	MKP-186C	GM 100, GMT 50	MKP-6012E	GM 29
MKP-119A	GM 66, GMT 32	MKP-191C	GM 47	MKP-6019A	GM 58
MKP-119C	GM 66, GMT 32	MKP-192A	GM 44, GMT 18	MKP-602A	CHR 22, 24, 27, DT 9, 11, 15
MKP-119D	GM 66, GMT 32, ST 6	MKP-195B	GM 109	MKP-6020A	GM 58
MKP-119E	GM 66	MKP-199D	GMT 12, JEE 7	MKP-6021A	GM 58
MKP-119F	GM 66, GMT 32	MKP-199E	GM 29	MKP-6024C	GM 73
MKP-119G	GM 66	MKP-2000*	GM 31	MKP-6024D	GM 73
MKP-120B	GM 75, GMT 38	MKP-2001*	GM 31	MKP-6026A	GM 73
MKP-1205A	CHR 18, DT 6	MKP-2002*	GM 31	MKP-6026C	GM 73
MKP-1205B	CHR 18, DT 6	MKP-2012*	GMT 28	MKP-6026E	GM 73, GMT 36
MKP-121D	GM 87	MKP-2032*	FO 14	MKP-6027A	GM 73
MKP-121E	GM 87	MKP-2033*	FOT 11	MKP-6027C	GM 73
MKP-1212A	FOT 11	MKP-2050*	CHR 17, JEE 5	MKP-603A	CHR 27, DT 15
MKP-1215A	FOT 33	MKP-2053*	JEE 13	MKP-603C	CHR 27, DT 15
MKP-1217A	CHR 14	MKP-2058*	CHR 14	MKP-6036A	GMT 34
MKP-122C	DT 27	MKP-2059*	CHR 18, DT 6	MKP-6037A	GMT 44
MKP-124C	FO 49	MKP-213A	CHR 47	MKP-6037C	GMT 44
MKP-124D	FO 49	MKP-215A	JEE 18	MKP-604A	CHR 27, DT 15
MKP-124E	FO 50	MKP-216A	JEE 14	MKP-605D	FOT 8
MKP-124G	FO 50	MKP-217A	CHR 43	MKP-605G	FO 19
MKP-124J	FOT 36	MKP-217C	CHR 43	MKP-606A	GMT 34
MKP-124M	FO 57	MKP-218A	CHR 43, DT 24	MKP-606C	GMT 34
MKP-124N	FO 57	MKP-218C	CHR 43	MKP-606D+	GMT 34
MKP-124P	FOT 42	MKP-218D	CHR 43	MKP-606E+	GMT 34
MKP-125A	FO 51	MKP-218H	CHR 43, DT 24	MKP-607A	GMT 34
MKP-125C	FO 51	MKP-218J	CHR 43	MKP-607B+	GMT 34
MKP-125D	FO 51	MKP-218K	CHR 43	MKP-608A	FO 24, FOT 12
MKP-1250A	FOT 33	MKP-218L	CHR 43	MKP-608C	FO 24

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MKP-608D	FO 24	MKP-619F	GM 66, GMT 32	MKP-662C	GM 80
MKP-6084A	GMT 49	MKP-619G	GM 66	MKP-662D	GM 80
MKP-6086C	GMT 54	MKP-620B	GM 75, GMT 38	MKP-662E	GM 80
MKP-6087A	FOT 31	MKP-6205A	CHR 18, DT 6	MKP-662F	GM 80
MKP-6091A	FOT 46, IH 27	MKP-6205B	CHR 18, DT 6	MKP-662J	GMT 40
MKP-6092A	JEE 13	MKP-6205C	CHR 14	MKP-667E	CHR 53, DT 29
MKP-6093A	CHR 14	MKP-6206A	CHR 25, DT 12	MKP-667F	CHR 53
MKP-6093C	CHR 18, DT 6	MKP-621D	GM 87	MKP-667G	CHR 53
MKP-6094A	CHR 19, DT 7	MKP-621E	GM 87	MKP-683C	CHR 51, DT 27
MKP-6094C	CHR 15	MKP-6212A	FOT 11	MKP-686A	GM 100
MKP-6094D	CHR 15	MKP-6215A	FOT 33	MKP-686C	GM 100, GMT 50
MKP-6097A	CHR 18, DT 6	MKP-6217A+	CHR 14	MKP-691C	GM 47
MKP-6098A	DT 19	MKP-622C	DT 27	MKP-692A	GM 44, GMT 18
MKP-6098C	DT 19	MKP-624C	FO 49	MKP-695B	GM 109
MKP-6099C	DT 19	MKP-624E	FO 50	MKP-699D	GMT 12, JEE 7
MKP-6103C	FO 7	MKP-624G	FO 50	MKP-699E	GM 29
MKP-6105A	FO 12	MKP-624J	FOT 36	MKP-7000*	GM 31
MKP-6106A	FO 14	MKP-624M	FO 57	MKP-7001*	GM 31
MKP-6107A	FO 14	MKP-624N	FO 57	MKP-7002*	GM 31
MKP-6110A	FO 22	MKP-624P	FOT 42	MKP-7003*	GM 31
MKP-6111A	FO 31	MKP-625A	FO 51	MKP-7012*	GMT 28
MKP-6111C	FO 31	MKP-625C	FO 51	MKP-7021*	GMT 36
MKP-6112B+	FO 31	MKP-625D	FO 51	MKP-7028*	GMT 54
MKP-6112C	FO 31	MKP-6250A	FOT 33	MKP-7033*	FOT 11
MKP-6113B	FO 31	MKP-6251A	FOT 33	MKP-7044*	FO 44
MKP-6113C	FO 31	MKP-6251C	FOT 33	MKP-7050*	CHR 17, JEE 5
MKP-6114B+	FO 31	MKP-6253A	FOT 33	MKP-7053*	JEE 13
MKP-6114C	FO 31	MKP-6257A	GMT 49	MKP-7057*	CHR 14
MKP-6115A	FO 44	MKP-6263A	FOT 22	MKP-7058*	CHR 14
MKP-6116A	FO 51, FOT 37	MKP-6264A	FOT 22	MKP-7059*	CHR 18, DT 6
MKP-612C	FOT 20	MKP-6269A	MER 2	MKP-7060*	CHR 18, DT 6
MKP-612D	FOT 20	MKP-6269C	MER 2	MKP-7062	DT 24
MKP-612E	FOT 31	MKP-627A	FO 51, FOT 37	MKP-713A	CHR 47
MKP-6120A	FOT 11	MKP-627C	FO 51, FOT 37	MKP-715A	JEE 18
MKP-6121A	FOT 33	MKP-627D	FO 51	MKP-716A	JEE 14
MKP-6121C	FOT 33	MKP-6270A	MER 6	MKP-717A	CHR 43
MKP-6123A	FOT 47	MKP-6270C	MER 6	MKP-717C	CHR 43
MKP-6124A	FOT 47	MKP-6271A	MER 8, OMC 6	MKP-718A	CHR 43, DT 24
MKP-613C	GM 119, GMT 54	MKP-630A	GM 80	MKP-718C	CHR 43
MKP-613E	GM 119, GMT 54	MKP-630C	GM 88, GMT 44	MKP-718D	CHR 43
MKP-6131A	GM 20	MKP-630D	GM 88, GMT 44	MKP-718H	CHR 43, DT 24
MKP-6132C	GM 21	MKP-630F	GMT 44	MKP-718J	CHR 43
MKP-6134A	GM 26	MKP-632E	CHR 58	MKP-718K	CHR 43
MKP-6135A	GM 26	MKP-632G	CHR 58	MKP-718L	CHR 43
MKP-6136A	GM 26	MKP-6329A	CHR 23, DT 10	MKP-727K	JEE 7
MKP-614A	GM 51, GMT 26	MKP-633A	GM 74	MKP-728C	JEE 7
MKP-614C	GM 51, GMT 26	MKP-6339B	FO 32	MKP-728H	JEE 7
MKP-614D	GM 45, GMT 19	MKP-634A	GM 86	MKP-728L	GM 29, GMT 12
MKP-614E	GMT 26	MKP-634C	GM 86	MKP-728M	GM 29
MKP-614F	GMT 26	MKP-6361	CHR 14	MKP-739A	GMT 26
MKP-614G	GM 51, GMT 26	MKP-6367	FO 14	MKP-739C	GMT 26
MKP-614H	GMT 26	MKP-6369	DT 19	MKP-739D	GMT 26
MKP-6140A	GM 38	MKP-637A	FO 63, FOT 45	MKP-743A	CHR 43, DT 24
MKP-6141A	GM 47	MKP-637C	FO 63	MKP-744C	DT 24
MKP-6141E	GM 47	MKP-637D	FO 65	MKP-746C	CHR 20
MKP-6148A	GM 74	MKP-637E	FO 65, FOT 47	MKP-747C	CHR 20, DT 8
MKP-6148D	GM 74	MKP-637F	FOT 47	MKP-752A	FO 12, FOT 5
MKP-615A	GM 51, GMT 26	MKP-6373A	GM 26	MKP-753A	FO 12
MKP-615E	GMT 26	MKP-6374A	GM 26	MKP-757A	FO 31, FOT 17
MKP-6151A	GM 88	MKP-6377	DT 24	MKP-758A	FO 31
MKP-6152A	GM 88	MKP-6379	GMT 13	MKP-760A	FO 44, FOT 33
MKP-6153A	GM 88	MKP-638A	GM 91	MKP-761A	FO 51, FOT 37
MKP-6155A	GMT 8	MKP-6380	GM 58	MKP-761C	FO 51, FOT 37
MKP-6156A	GMT 44	MKP-639C	GM 91	MKP-761D	FO 51, FOT 37
MKP-6156C	GMT 44	MKP-640E	GM 105	MKP-763A	FOT 5
MKP-6156D	GMT 44	MKP-6405A	GM 47	MKP-765C	FOT 31
MKP-616A	GMT 26	MKP-642A	CHR 55	MKP-768A	FOT 47
MKP-617A	AMC 14, JEE 15	MKP-646A	FO 12, FOT 5	MKP-774A	FOT 37
MKP-617C+	AMC 14, JEE 15	MKP-647A	GMT 36	MKP-774C	FOT 37
MKP-6177C	TO 5	MKP-648A	GM 73, GMT 36	MKP-830C	TO 23, TOT 8
MKP-618A	GM 104, GMT 51	MKP-648D	GM 73	MKP-854A	TO 23, TOT 8
MKP-618D	GM 104, GMT 51	MKP-653A	FO 42	MKP-858A	AMC 3, JEE 5
MKP-618E	GMT 51	MKP-653D	FO 42, 44, FOT 33	MKP-859A	CHR 17, JEE 5
MKP-6182A	TOT 8	MKP-653F	FO 44, FOT 33	MKP-860A	JEE 14
MKP-6183D	GM 31	MKP-653G	FO 44	MKP-860C	AMC 11, JEE 14
MKP-6184A	GMT 13	MKP-653H	FO 44, FOT 33	MKP-868C	CHR 15
MKP-6184B	GMT 13	MKP-653J	FO 42	MKP-869C	CHR 14, DT 3
MKP-6184C	GM 31	MKP-653L	FO 42	MKP-878A	FO 12
MKP-6186A	FOT 3	MKP-658A	GM 88, GMT 44	MKP-878C	FO 12
MKP-619A	GM 66, GMT 32	MKP-658C	GMT 44	MKP-879A	FO 13
MKP-619C	GM 66, GMT 32	MKP-660A	GMT 54	MKP-879C	FO 13
MKP-619D	GM 66, GMT 32, ST 6	MKP-661A	GM 108, GMT 52	MKP-880A	FO 13
MKP-619E	GM 66	MKP-662A	GM 80	MKP-882A	FO 14

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MKP-883A	FO 14	MK-1115A	FO 44	MK-137E	FO 63, 65, FOT 47
MKP-886A	FO 31	MK-1116A	FO 51, FOT 37	MK-137F	FOT 47
MKP-888A	FO 44	MK-112C	FOT 20, 31	MK-1373A	GM 26
MKP-891A	FOT 3	MK-112E	FOT 20, 31	MK-1374A	GM 26
MKP-898A	FOT 10	MK-1120A	FOT 11	MK-1377	DT 24
MKP-898C	FOT 10	MK-1121A	FOT 33	MK-138A	GM 91
MK-1002A	FOT 33	MK-1121C	FOT 33	MK-139C	GM 91
MK-1003A	FOT 47	MK-1123A	FOT 47	MK-140E	GM 105
MK-1007A	GM 26, GMT 8	MK-1124A	FOT 47	MK-142A	CHR 55
MK-1008A	GM 26	MK-113C	GM 119, GMT 54	MK-142D	CHR 55
MK-1009A	GM 27	MK-113E	GM 119, GMT 54	MK-142E	CHR 55
MK-101C	FO 56, FOT 39, 41	MK-1131A	GM 20	MK-146A	FO 12, FOT 5
MK-101E	FO 56, 59	MK-1134A	GM 26	MK-147A	GMT 36
MK-101F	FO 56, FOT 41	MK-1135A	GM 26	MK-148A	GM 73, GMT 36
MK-101G	FO 56	MK-1136A	GM 26	MK-153D	FO 42, 44, FOT 33
MK-101H	FO 56	MK-1138A	GM 30	MK-153F	FO 44, FOT 33
MK-101J	FO 56	MK-114A	GM 51, GMT 26	MK-153H	FO 44, FOT 33
MK-101K	FO 56	MK-114C	GM 51, GMT 26	MK-153J	FO 42
MK-101L	FO 56	MK-114D	GM 45, GMT 19, 26	MK-158A	GM 88, GMT 44
MK-101M	FOT 39, 41	MK-114E	GMT 26	MK-158C	GMT 44
MK-1010A	GM 27	MK-114F	GMT 26	MK-160A	GMT 54
MK-1011B	GM 29, GMT 12	MK-114G	GM 51, GMT 26	MK-161A	GM 108, GMT 52
MK-1011C	GMT 12	MK-1148A	GM 74	MK-162A	GM 80
MK-1012E	GM 29	MK-1148D	GM 74	MK-162C	GM 80, GMT 40
MK-1015D	GM 30	MK-1149C	GM 88	MK-162E	GM 80
MK-1019A	GM 58	MK-115A	GM 51, GMT 26	MK-162F	GM 80
MK-102A	CHR 22, 24, 27, DT 9, 11, 15	MK-115E	GMT 26	MK-162J	GM 80, GMT 40
MK-1020A	GM 58	MK-1151A	GM 88	MK-167E	CHR 53, DT 29
MK-1021A	GM 58	MK-1153A	GM 88	MK-167F	CHR 53
MK-1023A	GM 73	MK-1155A	GMT 8	MK-167G	CHR 53
MK-1024C	GM 73	MK-1156A	GMT 44	MK-172A	FO 62
MK-1024D	GM 73, GMT 36	MK-1156C	GMT 44	MK-179C	GM 121
MK-1026A	GM 73	MK-1156D	GMT 44	MK-183C	CHR 51, DT 27
MK-1026E	GM 73, GMT 36	MK-116A	GMT 26	MK-185A	FO 37, FOT 24
MK-1026G	GM 73	MK-117A	AMC 14, JEE 15	MK-186A	GM 100
MK-1027A	GM 73	MK-117C+	AMC 14, JEE 15	MK-186C	GM 100, GMT 50
MK-1027C	GM 73	MK-1182A	TO 23, TOT 8	MK-191C	GM 47
MK-103A	CHR 27, DT 15	MK-1183D	GM 31	MK-192A	GM 44, GMT 18
MK-103C	CHR 27, DT 15	MK-1184A	GMT 13	MK-194B	GM 54
MK-1033A	GMT 12	MK-1184B	GMT 13	MK-195B	GM 109
MK-1036A	GMT 34	MK-1184C	GM 31	MK-199D	GM 29, GMT 12, JEE 7
MK-1037A	GMT 44	MK-1186A	FOT 3	MK-199E	GM 29
MK-1037C	GMT 44	MK-119A	GM 66, GMT 32	MK-2000*	GM 31
MK-1038A	GMT 44	MK-119C	GM 66, GMT 32	MK-2001*	GM 31
MK-1038C	GMT 44	MK-119D	GM 66, GMT 32, ST 6	MK-2002*	GM 31
MK-1038D	GMT 44	MK-119E	GM 66	MK-2012*	GMT 28
MK-104A	CHR 27, DT 15	MK-119F	GM 66, GMT 32	MK-2032*	FO 14
MK-105D	FOT 8	MK-119G	GM 66	MK-2033*	FOT 11
MK-105G	FO 19	MK-120B	GM 75, GMT 38	MK-2050*	CHR 17, JEE 5
MK-106A	GMT 34	MK-1205A	CHR 14, 18, DT 6	MK-2053*	JEE 13
MK-106C	GMT 34	MK-121D	GM 87	MK-2058*	CHR 14, 18, DT 6
MK-106D+	GMT 34	MK-121E	GM 87	MK-213A	CHR 47
MK-106E+	GMT 34	MK-1212A	FOT 11	MK-215A	JEE 18
MK-107A	GMT 34	MK-1215A	FOT 33	MK-216A	JEE 14
MK-107B+	GMT 34	MK-1219C	GM 26	MK-217A	CHR 43
MK-108A	FO 24, FOT 12	MK-122C	DT 27	MK-217C	CHR 43
MK-108C	FO 24	MK-124C	FO 49	MK-218A	CHR 43, DT 24
MK-108D	FO 24	MK-124D	FO 49	MK-218C	CHR 43
MK-1083A	GM 30, GMT 20	MK-124G	FO 50, 57	MK-218D	CHR 43
MK-1086C	GMT 54	MK-124J	FOT 36, 42	MK-218E	CHR 43
MK-1087A	FOT 31	MK-124M	FO 50, 57	MK-218F	CHR 43
MK-1092A	JEE 13	MK-125A	FO 51	MK-218H	CHR 43, DT 24
MK-1093C	CHR 14, 18, DT 6	MK-125C	FO 51	MK-224F	GM 30
MK-1097A	CHR 18, DT 6	MK-1251A	FOT 33	MK-227H	GM 29, GMT 12
MK-1098A	DT 19	MK-1251C	FOT 33	MK-227K	GMT 12, JEE 7
MK-1098C	DT 19	MK-1253A	FOT 33	MK-228K	GM 29
MK-1099C	DT 19	MK-1263A	FOT 22	MK-228L	GM 29, GMT 12
MK-1100A	DT 24	MK-1264A	FOT 22	MK-228M	GM 29
MK-1103A	FO 7	MK-127A	FO 51, FOT 37	MK-228N	GM 29
MK-1103C	FO 7	MK-127C	FO 51, FOT 37	MK-232A	GM 53
MK-1103E	FO 7	MK-127D	FO 51	MK-233A	GM 53
MK-1106A	FO 14	MK-130C	GM 80, 88, GMT 44, 45	MK-238C	GM 122
MK-1107A	FO 14	MK-130F	GMT 44	MK-239A	GMT 26
MK-1108A	FO 17	MK-132A	CHR 58	MK-239C	GMT 26
MK-1110A	FO 22	MK-132E	CHR 58	MK-239D	GMT 26
MK-1111A	FO 31	MK-132F	CHR 58	MK-243A	CHR 43, DT 24
MK-1111C	FO 31	MK-132G	CHR 58	MK-244C	DT 24
MK-1112B+	FO 31	MK-132H	CHR 58	MK-247C	CHR 20, DT 8
MK-1112C	FO 31	MK-1329A	CHR 23, DT 10	MK-252A	FO 12, FOT 5
MK-1113B	FO 31	MK-133A	GM 74	MK-257A	FO 31, FOT 17
MK-1113C	FO 31	MK-134A	GM 86	MK-258A	FO 31
MK-1114B+	FO 31	MK-134C	GM 86	MK-260A	FO 44, FOT 33
MK-1114C	FO 31	MK-137D	FO 63, 65, FOT 45	MK-261A	FO 51, FOT 37

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MK-261C	FO 51, FOT 37	MK-6086C	GMT 54	MK-619A	GM 66, GMT 32
MK-261D	FO 51, FOT 37	MK-6087A	FOT 31	MK-619C	GM 66, GMT 32
MK-263A	FOT 5	MK-6091A	FOT 46, IH 27	MK-619D	GM 66, GMT 32, ST 6
MK-265C	FOT 31	MK-6092A	JEE 13	MK-619E	GM 66
MK-268A	FOT 47	MK-6093C	CHR 14, 18, DT 6	MK-619F	GM 66, GMT 32
MK-274A	FOT 37	MK-6094A	CHR 15, 19, DT 7	MK-619G	GM 66
MK-274C	FOT 37	MK-6094D	CHR 15	MK-620B	GM 75, GMT 38
MK-301C	TO 21, TOT 6	MK-6097A	CHR 18, DT 6	MK-6205A	CHR 14, 18, DT 6
MK-330C	TO 23, TOT 8	MK-6098A	DT 19	MK-6205B	CHR 14, 18, DT 6
MK-353A	TO 21, TOT 6	MK-6098C	DT 19	MK-6206A	CHR 25, DT 12
MK-354A	TO 23, TOT 8	MK-6099C	DT 19	MK-621D	GM 87
MK-358A	AMC 3, JEE 5	MK-6100A	DT 24	MK-621E	GM 87
MK-359A	CHR 17, JEE 5	MK-6103A	FO 7	MK-6212A	FOT 11
MK-360A	JEE 14	MK-6103C	FO 7	MK-6215A	FOT 33
MK-360C	AMC 11, JEE 14	MK-6103E	FO 7	MK-6219C	GM 26
MK-369C	CHR 14, DT 3	MK-6105A	FO 12	MK-622C	DT 27
MK-382A	FO 14	MK-6106A	FO 14	MK-6221C	TOT 12
MK-383A	FO 14	MK-6107A	FO 14	MK-624C	FO 49
MK-384A	FO 14	MK-6108A	FO 17	MK-624D	FO 49
MK-386A	FO 31	MK-6110A	FO 22	MK-624G	FO 50, 57
MK-388A	FO 44	MK-6111A	FO 31	MK-624J	FOT 36, 42
MK-391A	FOT 3	MK-6111C	FO 31	MK-624M	FO 50, 57
MK-396A	FOT 5	MK-6112B+	FO 31	MK-625A	FO 51
MK-398A	FOT 10	MK-6112C	FO 31	MK-625C	FO 51
MK-398C	FOT 10	MK-6113B	FO 31	MK-6251A	FOT 33
MK-6002A	FOT 33	MK-6113C	FO 31	MK-6251C	FOT 33
MK-6003A	FOT 47	MK-6114B+	FO 31	MK-6253A	FOT 33
MK-6004A	FOT 43	MK-6114C	FO 31	MK-6257A	GMT 29
MK-6006A	GM 16	MK-6115A	FO 44	MK-6263A	FOT 42
MK-6007A	GM 26, GMT 8	MK-6116A	FO 51, FOT 37	MK-6264A	FOT 22
MK-6008A	GM 26	MK-612C	FOT 20, 31	MK-6269A	MER 2
MK-6009A	GM 27	MK-612E	FOT 20, 31	MK-6269C	MER 2
MK-601C	FO 56, FOT 39, 41	MK-6120A	FOT 11	MK-627A	FO 51, FOT 37
MK-601E	FO 56, 59	MK-6121A	FOT 33	MK-627C	FO 51, FOT 37
MK-601F	FO 56, FOT 41	MK-6121C	FOT 33	MK-627D	FO 51
MK-601G	FO 56	MK-6123A	FOT 47	MK-6270A	MER 6
MK-601H	FO 56	MK-6124A	FOT 47	MK-6270C	MER 6
MK-601J	FO 56	MK-613C	GM 119, GMT 54	MK-6271A	MER 8, OMC 6
MK-601K	FO 56	MK-613E	GM 119, GMT 54	MK-630C	GM 80, 88, GMT 44, 45
MK-601L	FO 56	MK-6131A	GM 20	MK-630F	GMT 44
MK-601M	FOT 39, 41	MK-6132C	GM 21	MK-632A	CHR 58
MK-6010A	GM 27	MK-6134A	GM 26	MK-632E	CHR 58
MK-6011B	GM 29, GMT 12	MK-6135A	GM 26	MK-632F	CHR 58
MK-6011C	GMT 12	MK-6136A	GM 26	MK-632G	CHR 58
MK-6012E	GM 29	MK-6138A	GM 30	MK-632H	CHR 58
MK-6015D	GM 30	MK-614A	GM 51, GMT 26	MK-6329A	CHR 23, DT 10
MK-6017A	GM 48	MK-614C	GM 51, GMT 26	MK-633A	GM 74
MK-6019A	GM 58	MK-614D	GM 45, GMT 19, 26	MK-6339B	FO 32
MK-602A	CHR 22, 24, 27, DT 9, 11, 15	MK-614E	GMT 26	MK-634A	GM 86
MK-6020A	GM 58	MK-614F	GMT 26	MK-634C	GM 86
MK-6021A	GM 58	MK-614G	GM 51, GMT 26	MK-6369	DT 19
MK-6023A	GM 73	MK-6140A	GM 38	MK-637D	FO 63, 65, FOT 45
MK-6024C	GM 73	MK-6141A	GM 47	MK-637E	FO 63, 65, FOT 47
MK-6024D	GM 73, GMT 36	MK-6141E	GM 47	MK-637F	FOT 47
MK-6026A	GM 73	MK-6142A	GM 50	MK-6373A	GM 26
MK-6026C	GM 73	MK-6144A	GM 50	MK-6374A	GM 26
MK-6026E	GM 73, GMT 36	MK-6148A	GM 74	MK-6377	DT 24
MK-6027A	GM 73	MK-6148D	GM 74	MK-6379*	GMT 13
MK-6027C	GM 73	MK-615A	GM 51, GMT 26	MK-638A	GM 91
MK-603A	CHR 27, DT 15	MK-615E	GMT 26	MK-639C	GM 91
MK-603C	CHR 27, DT 15	MK-6151A	GM 88	MK-640E	GM 105
MK-6033B	GMT 12	MK-6152A	GM 88	MK-6405A	GM 47
MK-6036A	GMT 34	MK-6153A	GM 88	MK-642A	CHR 55
MK-6037A	GMT 44	MK-6155A	GMT 8	MK-642D	CHR 55
MK-6037C	GMT 44	MK-6156A	GMT 44	MK-642E	CHR 55
MK-6038A	GMT 44	MK-6156C	GMT 44	MK-646A	FO 12, FOT 5
MK-6038C	GMT 44	MK-6156D	GMT 44	MK-647A	GMT 36
MK-6038D	GMT 44	MK-616A	GMT 26	MK-648A	GM 73, GMT 36
MK-604A	CHR 27, DT 15	MK-6160A	HO 9	MK-653D	FO 42, 44, FOT 33
MK-605D	FOT 8	MK-6163A	HO 17	MK-653F	FO 44, FOT 33
MK-605G	FO 19	MK-617A	AMC 14, JEE 15	MK-653H	FO 44, FOT 33
MK-606A	GMT 34	MK-617C+	AMC 14, JEE 15	MK-653J	FO 42
MK-606C	GMT 34	MK-6176A	NIT 11	MK-658A	GM 88, GMT 44
MK-606D+	GMT 34	MK-6177C	TO 5	MK-658C	GMT 44
MK-606E+	GMT 34	MK-618D	GM 104, GMT 51	MK-660A	GMT 54
MK-607A	GMT 34	MK-618E	GMT 51	MK-661A	GM 108, GMT 52
MK-607B+	GMT 34	MK-6181A	TO 18	MK-662A	GM 80
MK-6072A	AUD 6, VW 12	MK-6182A	TO 23, TOT 8, 9	MK-662C	GM 80, GMT 40
MK-608A	FO 24, FOT 12	MK-6183D	GM 31	MK-662E	GM 80
MK-608C	FO 24	MK-6184A	GMT 13	MK-662F	GM 80
MK-608D	FO 24	MK-6184B	GMT 13	MK-662J	GM 80, GMT 40
MK-6083A	GM 30, GMT 20	MK-6184C	GM 31	MK-667E	CHR 53, DT 29
MK-6084A	GMT 49	MK-6186A	FOT 3	MK-667F	CHR 53

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MK-667G	CHR 53	MK-882A	FO 14	MR-1937	GM 29, 31
MK-672A	FO 62	MK-883A	FO 14	MR-1938*	GM 26
MK-679C	GM 121	MK-884A	FO 14	MR-1939	GM 42, 49, GMT 16, 21
MK-683C	CHR 51, DT 27	MK-886A	FO 31	MR-1940	GM 42, 49, GMT 16, 21
MK-686A	GM 100	MK-888A	FO 44	MR-1946	GM 58
MK-686C	GM 100, GMT 50	MK-891A	FOT 3	MR-1947	GM 58
MK-691C	GM 47	MK-896A	FOT 5	MR-1948	GMT 49
MK-692A	GM 44, GMT 18	MK-898A	FOT 10	MR-1948B	GMT 49
MK-694B	GM 54	MK-898C	FOT 10	MR-1949*	GM 27, 33, 41, 44, 45, 51, 58, 63, 64, 66, 71, 73, 75, 80, 85, 88, 104, 110, GMT 9, 14, 18, 19, 26, 28-30, 32, 34, 36, 38, 40, 43-45, MER 1, 10, 12, OMC 1, 2, 4, 6, 9, 10, ST 2, 6, VOM 1, 2
MK-695B	GM 109	MR-1751	FO 27, 40, 44, 51, FOT 20, 31, 33, 37, GM 24, 27, 28, 33, 37, 44, 45, 51, 57, 58, 64, 66, 71, 73, 75, 80, 88, 110, GMT 7, 9, 11, 14, 15, 18, 19, 26, 28-30, 32, 34, 36, 38, 40, 43-45, 51, ST 2, 6	MR-1951*	FO 49, 50, 57, 63, 65, FOT 36, 42, 47
MK-699D	GM 29, GMT 12, JEE 7	MR-1752	GM 27, 33, 41, 44, 45, 51, 58, 63, 64, 66, 71, 73, 75, 80, 85, 88, 104, 110, GMT 9, 14, 18, 19, 26, 28-30, 32, 34, 36, 38, 40, 43-45, MER 1, 10, 12, OMC 1, 2, 4, 6, 9, 10, ST 2, 6, VOM 1, 2	MT-J21882	GM 12, 13, 15, 16, 26, 29, 47, 51, 54, 58, 71, 73-75, 85, 99, GMT 4, 12, 26, 34, 38, 43
MK-699E	GM 29			MV-1231	FO 34, 38, FOT 19, 25
MK-7000*	GM 31			MV-1233	AMC 4, FO 26, 46, FOT 13, GM 26, 29, 31, 33, 34, 37, 41, 42, 44-46, 49, 51, 57, 58, 62-64, 66, 67, 69-71, 73, 75, 76, 79, 80, 84, 87, 88, 95, 97, 104, 105, 111, 116, 121, GMT 8, 9, 12-19, 21, 26-34, 36-40, 42, 44, 47, 49, 51, IH 2, 5, 8, 11, 13, 16-19, 21, 22, 24, 25, IST 7, JEE 6, 7, MER 1, 5, 6, 8, 10, 12, OMC 1, 2, 4, 6, 9, 10, ST 2, 4, 6, VOM 1, 2
MK-7001*	GM 31				
MK-7002*	GM 31				
MK-7003*	GM 31				
MK-7011*	GM 31, 32				
MK-7012*	GMT 28				
MK-7014*	GMT 28				
MK-7021*	GMT 36				
MK-7028*	GMT 54				
MK-7032*	FO 14	MR-1780	GM 27, 33, 45, 51, 110, GMT 9, 14, 19, 26, 34, 43, ST 2		
MK-7033*	FOT 11	MR-1783	GM 22, 24, 28, 57, 58, 66, 71, 73, 75, 80, 88, 104, GMT 7, 11, 28, 30, 32, 36, 38, 40, 44, 45, 51, ST 6		
MK-7044*	FO 44				
MK-7050*	CHR 17, JEE 5	MR-1809	FO 27, 40, 42, 44, 51, FOT 20, 29, 31, 33, 37		
MK-7053*	JEE 13				
MK-7057*	CHR 14, 18, DT 6	MR-1810	GM 87		
MK-7058*	CHR 14, 18, DT 6	MR-1811	FO 14, 17, 37, 44, 49-51, 57, 63, 65, FOT 24, 31, 33, 36, 37, 42, 47	MV-1233C	AMC 4, FO 26, 46, FOT 13, GM 26, 29, 31, 33, 34, 37, 41, 42, 44-46, 49, 51, 57, 58, 62-64, 66, 67, 69-71, 73, 75, 76, 79, 80, 84, 87, 88, 95, 97, 104, 105, 111, 116, 121, GMT 8, 9, 12-19, 21, 26-34, 36-40, 42, 44, 47, 49, 51, IH 2, 5, 8, 11, 13, 16-19, 21, 22, 24, 25, IST 7, JEE 6, 7, MER 1, 5, 6, 8, 10, 12, OMC 1, 2, 4, 6, 9, 10, ST 2, 4, 6, VOM 1, 2
MK-7062	DT 24	MR-1813	FO 63, 65, GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15		
MK-713A	CHR 47	MR-1815	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15		
MK-715A	JEE 18	MR-1820	FO 63, 65		
MK-716A	JEE 14	MR-1822	GM 58, 66, 71, 73, 75, 80, 88, 104, GMT 28, 30, 32, 36, 38, 40, 44, 45, 51		
MK-717A	CHR 43	MR-1823	FO 42, 44, 51, FOT 20, 29, 31, 33, 37		
MK-717C	CHR 43	MR-1829	GM 30, 35, 47, 48, 53, 86, 87, 122, GMT 20, JEE 17	MV-1551	JEE 2
MK-718A	CHR 43, DT 24			MV-1598	DT 15, FO 42, GM 66, 73, 88, GMT 44, ST 1, 3, 5, 7, STT 1-4
MK-718C	CHR 43	MR-1832	AMC 4, GM 26, GMT 8, JEE 6		
MK-718D	CHR 43	MR-1837	GM 15, 16, 29, 31	MV-1598C	DT 15, FO 42, GM 66, 73, 88, GMT 44, ST 1, 3, 5, 7, STT 1-4
MK-718E	CHR 43	MR-1838	GM 15, 16, 29, 31, 32, GMT 4, 12, 13		
MK-718F	CHR 43	MR-1839	AMC 3, 11, 14, 18, CHR 17, JEE 5, 12-15, 18	MV-1599*	CHR 22, DT 9, 23, FO 29, 33, 35, 39, 41, 43, 45, 48, 54, FOT 15, 18, 20, 26-28, 30, 31
MK-718H	CHR 43, DT 24				
MK-724A	GM 30	MR-1840	AMC 3, 11, 14, 18, 20, CHR 17, JEE 5, 12-15, 18, 19	MV-1599C*	CHR 22, DT 9, 23, FO 29, 33, 35, 39, 41, 43, 45, 48, 54, FOT 15, 18, 20, 26-28, 30, 31
MK-724F	GM 30	MR-1841	AMC 4, GM 16, 20, 26, GMT 8, JEE 6		
MK-727H	GM 29, GMT 12	MR-1842	FO 31, 32, FOT 17		
MK-727K	GMT 12, JEE 7	MR-1847	FO 37, 44, 51, FOT 24, 31, 33, 37	MV-1707	CHM 16-18, 21, CHR 52, 53, 55-58, DT 29-31
MK-728K	GM 29	MR-1865RS	GM 88, GMT 44		
MK-728L	GM 29, GMT 12	MR-1874	GM 30, 47	MV-1707C	CHM 16-18, 21, CHR 52, 53, 55-58, DT 29-31
MK-728M	GM 29	MR-1876	GM 38, 47		
MK-728N	GM 29	MR-1881	FO 22, FOT 11		
MK-738C	GM 122	MR-1882	GM 16, 20	MV-1711	GM 66, GMT 32
MK-739A	GMT 26	MR-1883	GM 15, 16, 29, 31, 32, GMT 4, 12, 13, IST 7, JEE 7	MV-1765	AMC 6, FO 42
MK-739C	GMT 26			MV-1769	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15
MK-739D	GMT 26	MR-1885	GM 30, 47		
MK-743A	CHR 43, DT 24	MR-1886	GM 38, 47	MV-1769C	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15
MK-744C	DT 24	MR-1887	GM 38, 47		
MK-746C	CHR 20	MR-1891	GM 88, GMT 44	MV-1771	AMC 14, 19, CHM 5, 8, 10-14, CHR 22, 24, 27, 34, 35, 37, 39, 42-45, 47-51, 53, 54, DT 9, 11, 15, 22, 24, 25, 27, JEE 15
MK-747C	CHR 20, DT 8	MR-1892	GM 88, GMT 44		
MK-752A	FO 12, FOT 5	MR-1893	GM 119, GMT 54	MV-1771C	AMC 14, 19, CHM 5, 8, 10-14, CHR 22, 24, 27, 34, 35, 37, 39, 42-45, 47-51, 53, 54, DT 9, 11, 15, 22, 24, 25, 27, JEE 15
MK-753A	FO 12	MR-1894	GM 119, GMT 54		
MK-754A	FO 13	MR-1895	NI 15, 18, 24-26, NIT 2-4		
MK-757A	FO 31, FOT 17	MR-1896	GM 88, GMT 44	MV-1775	FO 52, 55, 56, 59, 61, 62, 64, 66, FOT 38, 39, 41, 44
MK-758A	FO 31	MR-1897	FO 44, FOT 33		
MK-760A	FO 44, FOT 33	MR-1901	FO 42, 44, FOT 20, 31	MV-1775C	FO 52, 55, 56, 59, 61, 62, 64, 66, FOT 38, 39, 41, 44
MK-761A	FO 51, FOT 37	MR-1902*	FO 42, 44, FOT 20, 31		
MK-761C	FO 51, FOT 37	MR-1903	GM 54, 59, 74, 81, 90, 91, 101, 102, 109, 113, 120, GMT 46	MV-1796	AMC 10, FO 15, 19, 24, 27, 36, 40, 42, 44, 49, 51, 63, 65, FOT 7, 8, 12, 23, 24, 29, 33, 37, 43, 46, 47, GM 99, OMC 8
MK-761D	FO 51, FOT 37				
MK-763A	FOT 5	MR-1909	AMC 3, 9, 11, 20, CHR 17, IH 26, JEE 5, 12, 14, 15, 18, 19		
MK-765C	FOT 31	MR-1910RS	FO 44, GM 100, 108, 115, 119, GMT 50, MER 15		
MK-768A	FOT 47				
MK-774A	FOT 37	MR-1914	GM 112, 123, 124	MV-1796A*	FO 15, 19, 24, 36, FOT 7, 8, 12, 23
MK-774C	FOT 37	MR-1916	FO 14, 31, 32	MV-1796C	AMC 10, FO 27, 40, 42, 44, 49, 51, 63, 65, FOT 24, 29, 33, 37, 43, 46, 47, GM 99, OMC 8
MK-830C	TO 23, TOT 8	MR-1926	GM 16, 20		
MK-854A	TO 23, TOT 8	MR-1930	GM 88, GMT 44		
MK-858A	AMC 3, JEE 5	MR-1933*	CHR 24, 27, DT 11, 15		
MK-859A	CHR 17, JEE 5	MR-1934*	AMC 4, GM 26, GMT 8, JEE 6	MV-1817	FO 49, 57, FOT 42
MK-860A	JEE 14	MR-1936*	AMC 4, GM 26, GMT 8, JEE 6	MV-1817C	FO 49, 57, FOT 42
MK-860C	AMC 11, JEE 14				
MK-868C	CHR 15				
MK-869C	CHR 14, DT 3				
MK-878A	FO 12				
MK-878C	FO 12				
MK-879A	FO 13				
MK-879C	FO 13				
MK-880A	FO 13				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
MV-1819	FO 31, 44, FOT 17, 24, 33, 36, GM 54, 59, 74, 90, 91, 102, 109, 120, GMT 46	RP-3093	AMC 14, 18-20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, IH 26, JEE 15, 18, 19, MER 8, 10, 12, OMC 6, 9, 10, ST 6, VOM 1, 2	RP-3212R 100	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2
MV-1819C	FO 31, 44, FOT 17, 24, 33, 36, GM 54, 59, 74, 90, 91, 102, 109, 120, GMT 46	RP-3099	GMT 37, 47	RP-3212R 150	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2
MV-1828	FO 6, 8, 20, FOT 3, 9	RP-3100	GM 98, 117	RP-3212R 200	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2
MV-1828C	FO 6, 8, 20, FOT 3, 9	RP-3102	GM 85, 110, GMT 43	RP-3213R	FO 63, 65, GM 30, 34, 35, 47, 48, 53, 79, 97, 105, 111, GMT 20
MV-1888	FO 51, GM 23, 26, 29, 30, 38, 44, 47, 48, 53, 62, 73, 88, GMT 12, 28, 36, 44, IST 7, JEE 7	RP-3103	GM 100, 108, 115, 119, GMT 54	RP-3214R	GM 26, 27, 33, 45, 51, 86, GMT 9, 14, 19, 26, JEE 17, MER 1, 2, 5, 6, OMC 1, 2, 4, ST 2
MV-1888A*	GM 30, 38, 47, 48, GMT 12	RP-3104	GM 100, 108, 115, 119, GMT 54	RP-3215R	GM 100, 108, 115, 119, GMT 54
MV-1888C	FO 51, GM 23, 26, 29, 44, 53, 62, 73, 88, GMT 28, 36, 44, IST 7, JEE 7	RP-3107	CHR 35, DT 22	RP-3216R	GM 100, 108, 115, 119, GMT 54
MV-1902	IH 16	RP-3112*	GM 101, 113	RP-3217R	GM 100, 108, 115, 119, GMT 54
MV-1903	FO 29, 33, 35, 40-44, 50, 51, 57, FOT 13, 15, 18, 20, 31, 33, GM 28, 33, 34, 51, 54, 63, 66, 71, 73, 80, 88, 104, 120, GMT 11, 32, 34, 38, 40, 44, 45, MER 1, 5, 6, 8, 10, 12, 13, OMC 1, 4, 6, 8-11, VOM 1, 2, VW 5, 6, 10, VWT 4, 5, 8	RP-3120	CHR 43, DT 24	RP-3218R	GM 100, 108, 115, 119, GMT 54
		RP-3127	IH 16	RP-3219R 100	CHR 35, 47, DT 22
		RP-3131	IH 2, 17, 19	RP-3221R	CHR 58, DT 31
		RP-3132	IH 5, 21, 24	RP-3222R	FO 27, 42, 44, FOT 33
		RP-3133	IH 5, 21, 24	RP-3223R	FO 37, 40, 44, FOT 24, 33, MER 9, OMC 8
		RP-3154R*	VW 5, 6, VWT 4, 5	RP-3224R	FO 44
		RP-3159	CHR 47	RP-3225R	FO 51, FOT 37, OMC 11
		RP-3160	FO 63, 65, FOT 47	RP-3226R	FO 49
		RP-3163	AMC 9, 11, IH 9, JEE 12, 14	RP-3227R	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41
		RP-3164	FO 63, 65, GM 30, 34, 35, 47, 48, 53, 79, 97, 105, 111, GMT 20	RP-3228R	GM 102, 120
MV-1906	FO 44, 50, FOT 24, 33, 36, 37, MER 9, 13, OMC 8, 11	RP-3164 35	FO 63, 65, GM 30, 34, 35, 47, 48, 53, 79, 97, 105, 111, GMT 20	RP-3229R	GM 76, 84, 87, 95, 97, 105, 116, 121, GMT 39, 43
MV-1912	GM 119, GMT 50, 54	RP-3164 60	FO 63, 65, GM 30, 34, 35, 47, 48, 53, 79, 97, 105, 111, GMT 20	RP-3230R	FO 47, 52, 56, 58, 61, 62, FOT 35
MV-1918	CHM 5, 11, 12, 14, 15, CHR 22, 24, 27, 43, 51, 55, 58, DT 9, 11, 15, 19, 24, 27, 30	RP-3165	FO 27, 42, 44, FOT 29, 33	RP-3231	GM 15, 16, GMT 4
MV-1919	CHR 14, 15, 18, 19, 25, DT 3, 6, 7, 12	RP-3166	FO 51, FOT 37, MER 9, 13, OMC 11	RP-3233	FO 18, 20, 21, FOT 9, 10
MV-1920	GM 44	RP-3166B*	FO 51, FOT 37, GM 69	RP-3234	FO 31, FOT 17
MV-1921	GM 58, 64, GMT 28, 36	RP-3167	FO 37, 40, 44, FOT 24, 33, OMC 8	RP-3235	JEE 14
MV-1921B	GM 58, 64, GMT 28, 36	RP-3169	FO 49	RP-3236	AMC 3, CHR 17, JEE 5
PK1-2743B	DT 26	RP-3170	GM 26, GMT 8	RP-3237	FOT 43, 46
PK2-2743B	DT 26	RP-3171	AMC 9, 11, GM 101, 113, IH 9, JEE 12, 14	RP-3240	GM 50
P-1940	CHR 52, 55, 58, DT 29-31	RP-3172	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	RP-3241	FO 44
P-2208	GM 27, 33, 41, 45, 51, 57, 63, 69, 73, 75, 80, GMT 26, 34, 35, 44, MER 1, 5, 6, OMC 1, 4	RP-3172A	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	RP-3244	GM 74, 90, GMT 46
P-2217	FOT 31, 36, 41, 42	RP-3172B	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	RP-3245	FO 14
RA-1001	FO 33, 39, 41, 43, 45, FOT 18, 26, 28, 30	RP-3172C*	FO 47, 52, 53, 56, 59, 61, 62, FOT 35, 38, 39, 41, 44	RP-3252	FO 65, FOT 47
RA-1001H	FO 33, 39, 41, 43, 45, FOT 18, 26, 28, 30	RP-3173	GM 43, 68, 106, 107, 114, JEE 8, OMC 3, 7	RP-3253	GM 47, 48
RA-1072	GM 86	RP-3174	GM 54, 81, 90, 91, 109, GMT 46	RP-3254	GM 119, GMT 54
RC-126S	IH 2, 5, 17, 19, 21, 24	RP-3175	GM 117	RP-3255	GM 119, GMT 54
RC-128S	FO 35, FOT 20, 31	RP-3176	FO 19, 24, FOT 12	RP-3256	GM 30
RC-128SA	FO 35, FOT 20, 31	RP-3176A	FO 19, 24	RP-3259	CHR 43, DT 19, 24
RC-140	FO 37, 44, 50, 51, 57, FOT 33, 37, GM 54, 59, 90, 91, 109	RP-3176B	FO 19, 24	RP-3260	FOT 31
RC-141	FOT 41	RP-3178	GM 94, 112, 123, 124	RP-3261	GM 47
RC-141A	FOT 41	RP-3179	GM 122	RP-3262	GM 58, 73, 88, GMT 28
RC-157S	GM 27-29, 37, 44, 45, 51, 57, 58, 63, 64, 66, 73, 75, 80, 104, GMT 9, 14, 15, 18, 19, 28-30, 32, 34, 36, 38, 40, 44, 49, MER 8, 10, 12, OMC 4, 6, 9, 10, ST 2, 6, VOM 1, 2	RP-3180	AMC 11, GM 26, 27, 33, 41, 45, 51, 86, GMT 9, 14, 19, 26, JEE 17, OMC 1, 2, 4, ST 2	RP-3263	GM 26, GMT 8
			GM 100, 108, 115, GMT 50, 52, 54	RP-3268	TOT 4, 7
RC-163S	GM 119, GMT 54	RP-3181	GM 81, 100, 108, 115, GMT 50, 52, 54	RP-3270	TOT 15, 17
RC-164	GM 21	RP-3182	FOT 20, 31	RP-3273	GM 29, 31, 32
RC-166	GM 10	RP-3183	FO 49	RP-3274	GM 29, 31, 32
RC-78S	CHM 11, 12, 14, 15, 18, 21, CHR 22, DT 9, 11, 15, 19, 24, 27, 30, 31	RP-3184	FO 63, 65, MER 3	RP-3275	JEE 13
		RP-3185	FO 50, 57, FOT 36, 42	RP-3276	JEE 14
RP-3010	GM 77	RP-3186	FO 44	RP-3277	CHR 43, DT 19, 24, 27
RP-3017	FO 33, 39, 41, 43, FOT 18, 26	RP-3187	GMT 34	RP-3278	CHR 43
RP-3018	GM 49, GMT 21	RP-3188	CHM 17, 18, 21, CHR 53, 55, DT 29-31	RP-3279	CHR 25, DT 12
RP-3019	GM 42, GMT 16	RP-3191	CHR 58, DT 31	RP-3280	FO 17
RP-3020	GM 49, GMT 21, 27	RP-3193	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 24, 27	RP-3281	FO 22, FOT 11
RP-3021	FO 26, 29, 46, 48, FOT 13, 15, 27	RP-3194	GM 102, 120	RP-3282	GM 16, 20
RP-3022	FO 41, 43, 45, FOT 28, 30	RP-3197	GM 113, JEE 14	RP-3283	GM 38
RP-3023	FO 47, 52, 56, 58, 61, 62, FOT 35	RP-3200	FO 36, GM 83, 103, 118	RP-3284	FO 31, 32
RP-3024	GM 72, 96, 99	RP-3202	GM 54, 74, 90, 91, GMT 46	RP-3285	GM 47
RP-3028	GM 67, 76, 84, 85, 87, 95, 97, 105, 110, 116, 121, GMT 33, 39, 43	RP-3205	GM 62, 69, 70	RP-3288	FOT 47
		RP-3206	GM 29, 31, GMT 12, 13, IST 7, JEE 7	RP-3300	GM 36, 92
RP-3030	CHR 37, 39, 43, DT 24	RP-3207	CHR 27, DT 15	RP-3304	GM 105
RP-3031	CHR 49, 52, 53	RP-3208	FO 51, FOT 37	RP-3313	GM 47
RP-3032	GM 98	RP-3209	AMC 4, GM 26, JEE 6	RP-3317	DT 26
RP-3034	CHR 53, 56-58	RP-3211	AMC 14, 18, 20, GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28-30, 32, 36, 38, 40, 44, 45, 51, JEE 15, 18, 19, OMC 6, 9, 10, ST 6, VOM 1, 2	RP-3318	GM 110
RP-3036	CHM 5, CHR 24, 27, DT 11, 15	RP-3212R		RP-3323R	FO 51, FOT 37
RP-3059	CHR 46, 50, FO 56, 64, 66			RP-3325R	GMT 50
RP-3076	FO 15, 19, 24, FOT 7, 8			RP-3332	FOT 22
RP-3077	GM 22, 24, 25, 28, GMT 11			RP-3332 30	FOT 22
RP-3079*	CHR 22, DT 9				
RP-3083	AMC 12, 15, JEE 16				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
RP-3332 60	FOT 22	R-1090A	GM 16, 20	R-861	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 22, 24, 27
RP-3336	CHR 43	R-1091R	FO 44, 51, FOT 33, 37	R-861B	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 22, 24, 27
RP-3342	GMT 49	R-1092	FOT 22	R-862	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 22, 24, 27, OMC 9
RS-602	GM 49, GMT 21, 27	R-1092B	FOT 22	R-862B	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 19, 22, 24, 27, OMC 9
RS-612	CHM 17, 18, 21, CHR 44, 49, 52, 53, 55-58, DT 29-31	R-1093	FO 21, FOT 10	R-863A	FO 63, 65
RS-619	FO 15, 19, 24, 36, FOT 7, 8, 12, 23	R-1094	CHR 25, DT 12	R-864	AMC 8, 9, 11, JEE 12, 14
RS-620	CHR 22, 24, 27, DT 9, 11, 15	R-1119	FOT 43, 46	R-865R	GM 88
RS-621	FO 47, 52, 53, 56, 59, 61, 62, FOT 38, 39, 41, 44	R-1122	CHR 23, DT 10, MI 13, MIT 5	R-865RB	GM 88
RS-626	CHM 12, 14, 15, CHR 35, 43, 47, 51, DT 22, 24, 27	R-1123	CHR 2	R-866R	GM 115, 119
RS-628	TO 21, 23, TOT 6, 8, 9	R-1124	CHR 2	R-870	GM 30, 35, 47, 48, 53, 86, 122, GMT 20
RS-629	TO 21, 23, TOT 6, 8, 9	R-1129	MZT 5	R-870W	GM 30, 35, 47, 48, 53, 86, 122, GMT 20
RS-637	FOT 9, 10	R-1130	MZT 5	R-871B	GM 3, 11
RS-638	CHR 1, 2, MI 1	R-1131	MZT 5	R-873	FO 12, 13, FOT 3, 5
RS-639	CHR 1, 2, MI 1	R-1132	MZ 11	R-873B	FO 12, 13, FOT 3, 5
RS-648	NI 29, 30, 32, NIT 11	R14AJ	GM 83, 86	R-875	AMC 14, 18, 20, IH 26, JEE 15, 18, 19
RS-649	NI 29, 30, 32, NIT 11	R-810	FO 15, 19, 24, FOT 7, 8	R-875A	AMC 14, 18, 20, IH 26, JEE 15, 18, 19
RS-653	NI 19, 22, NIT 5, 7, 8	R-814	FO 47, 52, 53, 56, 59, 61, 62, 64, FOT 38, 39, 41, 44	R-875B	AMC 14, 18, 20, IH 26, JEE 15, 18, 19
RS-654	NI 8, 9, 12	R-821	FO 47, 52, 56, 58, 61, 62, FOT 44	R-879	FO 37, 44, 51, FOT 24, 33, 37
RS-658	CHR 11, DT 2, 5, MI 7, 8, 11, MIT 1, 3	R-826	GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 26, 28-30, 32, 36, 38, 40, 44, 45, 51, MER 8, 10, 12, OMC 6, 10, ST 6, VOM 1, 2	R-879B	FO 37, 44, 51, FOT 24, 33, 37
RS-659	CHR 11, DT 2, 5, MI 7, 8, 11, MIT 1, 3	R-826A	GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 26, 28-30, 32, 36, 38, 40, 44, 45, 51, MER 8, 10, 12, OMC 6, 10, ST 6, VOM 1, 2	R-881	GM 15, 16, 29, 31, 32, GMT 4, 12, 13, IST 7, JEE 7
RS-662	TOT 15, 17	R-826B	GM 37, 44, 57, 58, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 26, 28-30, 32, 36, 38, 40, 44, 45, 51, MER 8, 10, 12, OMC 6, 10, ST 6, VOM 1, 2	R-881A	GM 15, 16, 29, 31, 32, GMT 4, 12, 13, IST 7, JEE 7
RS-664	TOT 16, 17	R-827	GM 85, 110, GMT 43	R-881B	GM 15, 16, 29, 31, 32, GMT 4, 12, 13, IST 7, JEE 7
RS-675	NI 29, 32	R-828	CHM 17, 18, 21, CHR 44, 49, 52, 53, 55-58, DT 29-31	R-882	GM 54, 59, 74, 90, 91, GMT 46
RS-676	GMT 49	R-829	CHM 17, 18, 21, CHR 44, 49, 52, 53, 55-58, DT 29-31	R-882A	GM 54, 59, 74, 90, 91, GMT 46
RS-680	HO 9, 10, 12	R-832	GM 27, 33, 41, 45, 51, GMT 9, 14, 19, 26, 34, MER 1, 2, 5, 6, OMC 1, 2, 4, ST 2	R-882AB	GM 54, 59, 74, 90, 91, GMT 46
RS-685	HO 9, 10, 12	R-832A	GM 27, 33, 41, 45, 51, GMT 9, 14, 19, 26, 34, MER 1, 2, 5, 6, OMC 1, 2, 4, ST 2	R-882B	GM 54, 59, 74, 90, 91, GMT 46
RS-698	DT 19	R-832B	GM 27, 33, 41, 45, 51, GMT 9, 14, 19, 26, 34, MER 1, 2, 5, 6, OMC 1, 2, 4, ST 2	R-884	IH 2, 5, 17, 19, 21, 24
RS-699	CHR 23, DT 10, MI 13, MIT 5	R-836	FO 27, 40, 42	R-890	TO 21, 23, TOT 6, 8, 9
RS-700	CHR 23, DT 10, MI 13, MIT 5	R-836A	FO 27, 40, 42	R-893	CHR 27, DT 15
RS-701	HO 21	R-836B	FO 27, 40, 42	R-893B	CHR 27, DT 15
RS-702	HO 21	R-847	FO 42, 44, 51, FOT 29, 33, 37, MER 9, 13, OMC 8, 11	R-894	AMC 4, GM 26, GMT 8, JEE 6
RS-703	HO 21	R-847B	FO 42, 44, 51, FOT 29, 33, 37, MER 9, 13, OMC 8, 11	R-894A	AMC 4, GM 26, GMT 8, JEE 6
RS-704	TO 21, 23, TOT 6, 8, 9	R-848	GM 79, 84, 95, 97, 105, 111	R-894B	AMC 4, GM 26, GMT 8, JEE 6
RS-706	IS 8, 10, IST 2, 5, 6	R-848A	GM 79, 84, 95, 97, 105, 111	R-901	GMT 2, 3, IS 6, IST 1, 2, OP 3
RS-707	IS 10, IST 2, 5, 6	R-849A	GM 62, 69, 70, 87, 105, 116, 121	R-904A	FO 3, 7
RS-720	FO 47, 52	R-850	GM 87	R-905	AMC 3, 9, 11, CHR 17, JEE 5, 12-14
RS-725	CHR 25, DT 12	R-851	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	R-905A	AMC 3, 9, 11, CHR 17, JEE 5, 13, 14
RS-726	NI 23, NIT 9	R-851A	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	R-905B	AMC 3, 9, 11, CHR 17, JEE 5, 12-14
RS-727	NI 23, NIT 9	R-851B	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	R-907	FOT 9
RS-728	NI 13	R-853	AMC 13, 14, 16, 18-20, GM 34, IH 26, JEE 15, 18	R-909	GM 12, 13, 17, 18
RS-731	MZ 5	R-853A	AMC 13, 14, 16, 18-20, GM 34, IH 26, JEE 15, 18	R-912	CHR 14, 15, 18, DT 3, 6
RS-732	MZ 5	R-854	FOT 20, 31	R-912B	CHR 14, 15, 18, DT 3, 6
RS-738	MZ 11	R-854A	FOT 20, 31	R-913	GM 50, 65
RS-741	MZT 5	R-854B	FOT 20, 31	R-913B	GM 50, 65
RS-742	MZT 5	R-855	FO 44, 49, 50, 57, 63, 65, FOT 36, 42, 47	R-922	NI 29, 30, 32, NIT 11
RS-743	MZ 11	R-855A	FO 44, 49, 50, 57, 63, 65, FOT 36, 42, 47	R-934	NI 19, 22, NIT 5, 7, 8
RS-744	MZ 11	R-855B	FO 44, 49, 50, 57, 63, 65, FOT 36, 42, 47	R-935	NI 8, 9, 12
RS-751	MZ 16, MZT 9	R-856	GM 54, 81, 90, 91, 101, 102, 109, 113, 120, GMT 46	R-947	GM 30, 47, 48
RS-752	MZ 16, MZT 9	R-856A	GM 54, 81, 90, 91, 101, 102, 109, 113, 120, GMT 46	R-948	FO 14, 17, FOT 31
R-1000	HO 15, 17, 19	R-856B	GM 54, 81, 90, 91, 101, 102, 109, 113, 120, GMT 46	R-948B	FO 14, 17, FOT 31
R-1001	CHR 43, DT 19, 24, 27	R-857	GM 86, 103, 118	R-949	FOT 43, 46
R-1002	CHR 43, DT 19, 24, 27			R-950	GMT 49
R-1003	CHR 23, DT 10, MIT 5			R-950D	GMT 49
R-1007	FO 22, FOT 11			R-951	CHR 14, 15, 18, 19, DT 3, 6, 7
R-1008	FO 31, 32, FOT 17			R-951B	CHR 14, 15, 18, 19, DT 3, 6, 7
R-1008B	FO 31, 32, FOT 17			R-952R	GM 88
R-1008W	FO 31, 32, FOT 17			R-958	CHR 11, 21, DT 2, 5, 8, MI 7, 8, 11, 12, MIT 1, 3, 4, MZT 7
R-1010	HO 21			R-964	TO 5
R-1011	HO 21			R-967	TOT 15-17
R-1012	HO 21			R-968	TOT 16, 17
R-1013	NI 20			R-970	TO 27
R-1016	IS 8, 10, IST 2, 5, 6			R-973	GM 58, 73, 88, GMT 28, 36, 44
R-1018	NI 23, NIT 9			R-973A	GM 58, 73, 88, GMT 28, 36, 44
R-1019	NI 23, NIT 9			R-973B	GM 58, 73, 88, GMT 28, 36, 44
R-1020	NI 23, NIT 9			R-974	HO 4, 6, 7
R-1021	NI 23, NIT 9			R-975	HO 4, 6-8
R-1022R	GM 88			R-976	HO 4, 6-8
R-1023R	GM 88			R-977	HO 9, 12
R-1024R	GM 88			R-978	HO 9, 12, 15
R-1025R	GM 88			R-979	HO 9, 12, 15
R-1032	GM 62, 69, 70, 87, 105, 116, 121				
R-1032B	GM 62, 69, 70, 87, 105, 116, 121				
R-1033	FO 63, 65				
R-10374	GM 104, GMT 51				
R-1051	GM 39, 40, 43, 68, 83, JEE 8, OMC 3, 7				
R-1053	FO 3, 7				
R-1053B	FO 3, 7				
R-1069	HO 2, 3, 5, 13, 14				
R-1090	GM 16, 20				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
R-980	HO 9, 12	ST-2003BC	FO 12-14, 17, FOT 3, 5, 31, GM 34, 37, 46, 51, 52, 73, 76, 79, 82, 87, 88, 93, 95, 97, 98, 105, 111, 112, 116, 117, 121, 123, 124, GMT 26, 36, 42, ST 3, 5, 7, STT 2-4	ST-2097	FO 31, 32
R-985	HO 4, 6, 7			ST-2098	FO 31, 32
R-9903	CHR 51, DT 27, FO 42, 44, 51, FOT 33, 37, GM 71, 80, 88, GMT 44			ST-2099	TOT 8, 9
R-9905	GM 119, GMT 54	ST-2004	AMC 8-11, 15, CHR 22, 24, 27, 28, 55, DT 9, 11, 15, 30, FO 12, FOT 27, GM 100, 108, 115, 119, GMT 36, 44, 45, 51, 54, IH 2, 17, 19, 21, 22, JEE 12, 14	ST-2101	NI 13
R-998	HO 16, 18, 20			ST-2102	FO 22, FOT 11
R-999	HO 15, 17, 19			ST-2103	FO 22, FOT 11
SLR-9129	GM 50	ST-2004BC	AMC 8-11, 15, CHR 22, 24, 27, 28, 55, DT 9, 11, 15, 30, FO 12, FOT 27, GM 100, 108, 115, 119, GMT 36, 44, 45, 51, 54, IH 2, 17, 19, 21, 22, JEE 12, 14	ST-2105	GM 17, 18
SL-12M	IH 7, 10, JEE 9			ST-2109	FOT 10, 22
SL-123M	CHM 4, 6, CHR 28, DT 13, 17	ST-2005	FO 15, 19, 24, 27, 36, 40, FOT 7, 8, 12, 23	ST-2110	FO 31, FOT 17
SL-13M	GM 22, ST 4	ST-2005BC	FO 15, 19, 24, 27, 36, 40, FOT 7, 8, 12, 23	ST-2111	TOT 8
SL-14M	CHR 30, GM 24, 28	ST-2007	DT 23, GMT 47	ST-2112	TO 5
SL-140M	FO 34, 38, FOT 19, 25	ST-2007BC	DT 23, GMT 47	ST-2113	TO 18, 20
SL-15M	AMC 10, FO 27, 33, FOT 18, GM 35, 37, 39, 40, 42	ST-2011	AMC 12, 15, JEE 16	ST-2115	TOT 12
SL-17M	CHM 10, CHR 34, 35, 38, 42, DT 22, 23, FO 39, GM 36, 61, IH 17	ST-2011BC	AMC 12, 15, JEE 16	ST-2116	MZ 8, 9
SL-18M	IH 16	ST-2012	GM 22, 24, 25, 28, GMT 7, 11	ST-2117	GM 21
SL-19M	AMC 8, 9, 11-14, CHR 37, FO 43, GM 41, 43, 67, 68, 72, GMT 33, JEE 8, 12, 14, 15	ST-2012BC	GM 22, 24, 25, 28	ST-2118	FO 1, 2, 10, MZ 17
SL-197M	FO 56, FOT 39, 41	ST-2014	CHR 22, 35, 43, 53, 55, 58, DT 9, 15, 22, FO 52, 56, 58, 62, FOT 27, 38, 39, 41, GM 61, 77, 92, 106, 107, 114, 115, 119	ST-2119*	GM 1, 2, SZ 4, SZT 2
SL-20Y	FO 25, GM 27, 45, 46, 51, 78, GMT 26, 34, IH 2, 19, 21, 22	ST-2014BC	CHR 22, 35, 43, 53, 55, 58, DT 9, 15, 22, FO 52, 56, 58, 62, FOT 27, 38, 39, 41, GM 61, 77, 92, 106, 107, 114, 115, 119	ST-2120	GM 1, 2
SL-22M	AMC 4, 15, 17, CHR 51, 54, DT 27, FO 42, 44, 47, 49-52, 54, 57, FOT 20, 31, 33, 35-38, GM 26, 77, GMT 44, 45, JEE 6, 16	ST-2015	CHR 14, 15, DT 3, 12	ST-2124	HO 21
SL-22Y	AMC 4, 15, 17, CHR 51, 54, DT 27, FO 42, 44, 47, 49-52, 54, 57, FOT 20, 31, 33, 35-38, GM 26, 77, GMT 44, 45, JEE 6, 16	ST-2018R	FO 44, 49, GM 66, 67, GMT 33	ST-2137	SAB 5
SL-23M	IH 24, 25	ST-2018RBC	FO 44, 49, GM 66, 67, GMT 33	ST-2143	VW 1, VWT 1
SL-23Y	IH 24, 25	ST-2019R	CHR 57, GM 115, 119	ST-2148	SB 10
SL-24M	CHR 57, DT 29, GMT 54	ST-2019RBC	CHR 57, GM 115, 119	ST-2149	HO 11, 16, 20, 22
SL-24Y	CHR 57, DT 29, GMT 54	ST-2034	GM 14, GMT 2, 3, IS 6-8, 10, IST 1, 2, 5, 6, NI 10, 15, 18, 19, 22-26, 28, 29, 32, 33, NIT 2-5, 7-9, 11	VG-130	JEE 2, 3
SL-350M	GM 71, GMT 44, 45	ST-2037	CHR 6, 10, 11, 23, DT 1, 2, 5, 10, MI 4, 6, 8, 11, 13, MIT 1-3, 5, TO 2, 3, 9, 11, 13-15, 21, 23, 27, TOT 1, 3, 6, 8, 9	VG-1315	CHR 6, 7, 9, 23, DT 10, MI 4, 5, 13, MIT 5
SL-9M	AMC 5, 7, JEE 2, 3	ST-2039*	AUD 1-6, 9-11, CHR 8, FIA 3, 4, 6-8, TO 10, VW 3, 4, 6, 11, 14, VWT 9	VG-1315B	CHR 6, 7, 9, 23, DT 10, MI 4, 5, 13, MIT 5
SL-93M	CHM 13, CHR 46, DT 25, GM 82	ST-2043	AMC 3, CHR 17, GM 3, 11, 15, 16, 29, GMT 4, 24, JEE 5, 13	VG-1315 2	CHR 6, 7, 9, 23, DT 10, MI 4, 5, 13, MIT 5
ST-2001	AMC 4, 6, 10, 15, FO 26, 29, 33, 35, 39-46, 48-51, 54, 57, 63, 65, FOT 13, 15, 18, 20, 26, 28-31, 33, 36, 37, 42, 47, GM 23, 26, 27, 33, 35, 36, 39, 40, 42, 43, 45, 47-49, 51, 53, 54, 57, 63, 66, 68-72, 75, 80, 81, 83, 88, 90, 91, 99, 101, 102, 104, 109, 113, 120, GMT 9, 14, 16, 17, 19, 21, 26, 27, 29, 31, 32, 34, 37, 38, 40, 44-46, 51, JEE 6, 8, 11, MER 1, 5, 6, 8, 10, 12, 13, OMC 1, 3, 4, 6-11, ST 1, 2, 6, STT 1, VOM 1, 2	ST-2043B	AMC 3, CHR 17, GM 3, 11, 15, 16, 29, GMT 4, JEE 5, 13	VG-1318	GM 17, 18
ST-2001BC	AMC 4, 6, 10, 15, FO 26, 29, 33, 35, 39-46, 48-51, 54, 57, 63, 65, FOT 13, 15, 18, 20, 26, 28-31, 33, 36, 37, 42, 47, GM 23, 26, 27, 33, 35, 36, 39, 40, 42, 43, 45, 47-49, 51, 53, 54, 57, 63, 66, 68-72, 75, 80, 81, 83, 88, 90, 91, 99, 101, 102, 104, 109, 113, 120, GMT 9, 14, 16, 17, 19, 21, 26, 27, 29, 31, 32, 34, 37, 38, 40, 44-46, 51, JEE 6, 8, 11, MER 1, 5, 6, 8, 10, 12, 13, OMC 1, 3, 4, 6-11, ST 1, 2, 6, STT 1, VOM 1, 2	ST-2044	CHR 17, GM 3, 11, 15, 16, 20, GMT 4, JEE 5, 13	VG-1319	GM 16, 20
ST-2002	AMC 13, 14, 16, 18-20, CHM 10, CHR 30, 32, 34, 35, 37-39, 42-58, DT 21-24, 27, 29-31, FO 47, 52, 53, 55, 56, 58, 59, 61, 62, 64, 66, FOT 35, 38, 39, 41, 44, GM 85, 86, 110, 118, 122, GMT 43, 47, IH 8, 11, 16, 18, 26, JEE 15, 17-19	ST-2048	CHM 12, 14, 15, 18, 21, CHR 27, 43, 51, 55, 58, DT 15, 19, 24, 27, 31	VG-1320	GM 16, 20
ST-2002BC	AMC 13, 14, 16, 18-20, CHM 10, CHR 30, 32, 34, 35, 37-39, 42-58, DT 21-24, 27, 29-31, FO 47, 52, 53, 55, 56, 58, 59, 61, 62, 64, 66, FOT 35, 38, 39, 41, 44, GM 85, 86, 110, 118, 122, GMT 43, 47, IH 8, 11, 16, 18, 26, JEE 15, 17-19	ST-2056	CHR 1, 2, 4, 12, 13, MI 1-3, 9, 10, SAB 5	VG-1321	GMT 54
ST-2003	FO 12-14, 17, FOT 3, 5, 31, GM 34, 37, 46, 51, 52, 73, 76, 79, 82, 87, 88, 93, 95, 97, 98, 105, 111, 112, 116, 117, 121, 123, 124, GMT 26, 36, 42, ST 3, 5, 7, STT 2-4	ST-2058	HO 14, 15, 17	VG-1322	GMT 54
		ST-2065	GM 50	VG-1325	DT 26, GMT 24
		ST-2066	HO 1-7, 11, 13, 15, 17, 18, 22	VG-1330	DT 26, GMT 24
		ST-2067	HO 4, 6, 7, 11, 18	VG-1331	DT 26, GMT 24
		ST-2069	NI 14, 20, 23, 29, 32, 33, NIT 9, 11	VG-1364	MZ 13, MZT 5
		ST-2070	NI 8, 9, 12, TO 6	VG-1372	FO 12-14, 17, FOT 3, 5
		ST-2071	TOT 16, 17	VG-1375	GM 88, GMT 44
		ST-2073	TO 3, 4, 7	VG-1376	FO 10, 11, MZ 14, 15, MZT 5, 8
		ST-2074	TO 17, TOT 12	VG-1377	GM 29, 32, GMT 12, 13, IST 7
		ST-2075	MZ 2, 3, 10, 11, 16, MZT 3-5, 9	VG-1383 2	VW 6
		ST-2079	GM 7, 8, IS 3, 5, MZ 7, 9, TO 8, 18-20, 24, 28, TOT 2	VG-1402T	NIT 11
		ST-2080	TOT 4, 7	VG-1403T	NIT 11
		ST-2081	NI 13, 16	VG-1414	FOT 46
		ST-2082	MZ 5, 14, 16, MZT 8, 9	VG-1416T	TOT 12
		ST-2083	CHR 6, 9, 11, 20, 21, DT 2, 8, MI 4-6, 8, 11, 12, MIT 1, 3, 4, MZT 7	VG-1420T	AUD 7, VW 13, 16
		ST-2084	HO 11, 20, 22	VG-1425T	SB 10, 11
		ST-2087	GM 26, 29, 31, GMT 8	VG-1428T	MZ 9
		ST-2088	FO 3, 7	VG-1429T	MZ 9
		ST-2089	DT 19, 24	VG-1432	MZ 16, MZT 9
		ST-2090	GM 20, 31	VG-1433	MZ 16, MZT 9
		ST-2092	FO 12-14, 17, 44, FOT 3, 5, 31, GM 34, 37, 46, 51, 52, 73, 76, 79, 82, 87, 88, 93, 95, 97, 98, 105, 111, 112, 116, 117, 121, 123, 124, GMT 26, 36, 42, ST 3, 5, 7, STT 2-4	VG-336	JEE 3
				VG-338	JEE 3
				VG-350	GM 42, 49, GMT 16, 21, 27
				VG-406	FO 30, FOT 16
				VG-419	CHM 4, 6-9, CHR 28, 29, 31, 33, DT 13, 17, 18, 20
				VG-420	CHM 4, 6-8, CHR 28, 29, 31, 33, DT 13, 17, 18, 20
				VG-428	FO 34, 38, FOT 19, 25
				VG-449	ST 3-5, 7, STT 2-4
				VG-450	ST 1, 3, 4, 7, STT 1-4
				VG-456	ST 5
				VG-460	JEE 2
				VG-473	GM 42, 49, GMT 16, 21, 27
				VG-499	IH 8, 11, 16
				VG-5002	GM 46, 53, 69, 70, 94, 105, JEE 8, OMC 3, 7
				VG-5002B	GM 46, 53, 69, 70, 94, 105, JEE 8, OMC 3, 7
				VG-5002T	GM 46, 53, 69, 70, 94, 105
				VG-5002TB	GM 46, 53, 69, 70, 94, 105, JEE 8
				VG-5003	DT 24
				VG-5003B	DT 24
				VG-5005	AMC 4, FO 31, 32, 37, 42, 44, 46, 49, 50, 54, FOT 17, 24, 28, 29, 31, 36, 37, 42, GM 26, 44, 46, 47, 58, 64, 73, 83, 88, GMT 8, 18, 20, 26, 28, 30, 34, 36, JEE 6, MER 1, 2, 5, 6, 8, 10, 12, 13, OMC 1, 4, 6-11, ST 6, VOM 1, 2

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
VG-5005B	AMC 4, FO 31, 32, 37, 42, 44, 46, 49, 50, 54, FOT 17, 24, 28, 29, 31, 36, 37, 42, GM 26, 44, 46, 47, 58, 64, 73, 83, 88, GMT 8, 18, 20, 26, 28, 30, 34, 36, JEE 6, MER 1, 2, 5, 6, 8, 10, 12, 13, OMC 1, 4, 6-11, VOM 1, 2	VG-5072*	GM 67, 76, 84, 95, 97, GMT 33, 37, 41, 42	VG-797	HO 9, 10, 12, 21
VG-5005H	AMC 4, FO 31, 37, 44, 49, 50, FOT 17, 24, 28, 29, 31, 36, 37, 42, GM 26, 44, 46, 47, 58, 64, 73, 83, 88, GMT 8, 18, 20, 26, 28, 30, 34, 36, JEE 6, MER 1, 2, 5, 6, 8, 12, 13, OMC 1, 4, 6-11, VOM 1, 2	VG-5072B*	GM 67, 76, 84, 95, 97, GMT 33, 37, 41, 42	VG-803	HO 9, 10, 12, 21
VG-5005T	AMC 4, FO 31, 32, 37, 44, 49, 50, FOT 17, 24, 28, 29, 31, 36, 37, 42, GM 26, 44, 46, 47, 58, 64, 73, 83, 88, GMT 8, 18, 20, 26, 28, 30, 34, 36, JEE 6, MER 1, 2, 5, 6, 8, 12, 13, OMC 1, 4, 6-11, ST 6, VOM 1, 2	VG-5073*	CHR 22, 24, 27, 35, 38, 43, 46, 47, 49, 50, 52, 53, 55, 57, 58, DT 9, 11, 15, 22, 29-31, GM 86, 118	VG-804	FOT 43, 46, IH 27
VG-5005TB	AMC 4, FO 31, 32, 37, 44, 49, 50, FOT 17, 24, 28, 29, 31, 36, 37, 42, GM 26, 44, 46, 47, 58, 64, 73, 83, 88, GMT 8, 18, 20, 26, 28, 30, 34, 36, JEE 6, MER 1, 2, 5, 6, 8, 12, 13, OMC 1, 4, 6-11, VOM 1, 2	VG-5075T*	GM 84, 95, 97, GMT 37, 41, 42	VG-811	TO 18, 19
VG-5006	AMC 6, FO 65, FOT 30, 47, GM 38, 47, 50, 65, MER 2, ST 6	VG-5075TB*	GM 84, 95, 97, GMT 37, 41, 42	VG-812	NI 23, 33, NIT 9
VG-5006B	AMC 6, FO 65, FOT 30, 47, GM 38, 47, 50, 65, MER 2	VG-5076T*	FO 55, 66	VG-813	NI 23, 33, NIT 9
VG-5006T	AMC 6, FOT 30, 47, GM 38, 47, 50, 65, MER 2	VG-5076TB*	FO 55, 66	VG-814	HO 11, 16, 18, 20
VG-5006TB*	FOT 47	VG-5080	GM 29, 31, 32, 116, GMT 12, 13, IST 7, JEE 7	VG-815	HO 11, 16, 18, 20
VG-5007	CHR 51, 56, 57, DT 19, 27, FO 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 39	VG-5083T	GM 26, GMT 8	VG-816	GM 1, 2, SZ 2
VG-5007B	CHR 51, 56, 57, DT 19, 27, FO 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 39	VG-5085T	FO 22, FOT 11	VG-817	GM 1, 2, GMT 1, SZ 1-4, SZT 2, 3
VG-5007T	CHR 43, 51, 57, DT 19, 27, FO 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 39	VG-5087	CHR 24, 27, 47, DT 11, 15, GM 122	VG-869	CHR 14, 15, 18, 19, DT 3, 6, 7
VG-5007TB*	CHR 43, 51, 57, DT 19, 27, FO 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 39	VG-5088	CHR 53, 55, 58, DT 29, 30	VG-870	CHR 14, 15, 18, 19, DT 3, 6, 7
VG-5008	FO 55, 64	VG-509	GM 42, GMT 16, 31	VG-883	HO 3, 4, 6-8, 11, 15, 17, 19
VG-5008B	FO 55, 64	VG-5131T	GM 73, 88	VG-889	MZ 5
VG-5009	FO 15, 19, 24, 36, 40, FOT 23	VG-538	GM 78, 96, 99	VG-903	CHR 4, 5, 12, 13, MI 2, 3, 9, 10
VG-5016	FO 8, 20, 21, FOT 9, 10, 22	VG-549	CHM 16	VG-904	CHR 4, 5, 12, 13, MI 2, 3, 9, 10
VG-5016T	FO 8, 20, 21, FOT 9, 10, 22	VG-581	IH 17, 19, 21, 22, 24	VG-909	GM 4, 5, IS 1, 2
VG-503	GM 82, 93, 98, 117	VG-584	GM 78, 96, 99	VG-910	CHR 25, DT 12
VG-5032	FOT 33	VG-585	GM 39, 40	VG-911	FO 1, 2
VG-5033	CHM 12, CHR 37, 39, 40, 43, 45, FOT 27, GM 85, 110, GMT 43	VG-612*	JEE 11	VG-913	GM 7, TO 8
VG-5034	FO 26, 29, 41, 45, FOT 13, 15, 18, 26, 28, 30, GM 35, 43, 47, 67, 76, 84, 95, 97, 123, GMT 20, 33, 41, 42, OMC 3	VG-618 2	GM 22, 24, 25, 28, GMT 7, 11	VG-914	GM 7, 8, IS 3, 5
VG-5036*	GMT 47	VG-628	GM 61, 77, 92, 106, 107, 114	VG-915	GM 7-9, IS 3, 5
VG-5036B*	GMT 47	VG-646	IH 5, 24	VG-916	GM 4, 5, IS 1, 2
VG-5037	GM 67, 76, 84, 95, 97, GMT 33, 37, 41, 42	VG-648*	VW 1, 5, 6, VWT 1, 4, 5	VG-917	GM 7, 9
VG-5038	FO 35, 57, FOT 20, 31, GM 37, 44, 45, 51, 54, 58, 64, 71, 73, 74, 81, 87, 88, 91, 101, 104, 109, 113, 120, GMT 15, 18, 19, 26, 28, 30, 34, 36, 44, 45, MER 5, 6, 10, OMC 4, 10, VOM 1, 2	VG-651	VW 1, 5, 6, 10, 15, VWT 1, 4, 5, 8, 10	VG-923	NI 30, 31
VG-5038B	FO 35, 57, FOT 20, 31, GM 37, 44, 45, 51, 54, 58, 64, 71, 73, 74, 81, 87, 88, 91, 101, 104, 109, 113, 120, GMT 15, 18, 19, 26, 28, 30, 34, 36, 44, 45, MER 5, 6, 10, OMC 4, 10, VOM 1, 2	VG-670	TO 14, TOT 2	VG-927	FO 10, 11, MZ 14, 15
VG-5042	CHR 57	VG-675	TOT 15-17	VG-929	TOT 5, 10, 11
VG-5044	FO 5, 6	VG-676	TOT 15-17	VK-115	AMC 4, 6, 9-11, 15, 20, FO 26, 29, 30, 33-35, 37-46, 48-51, 54, 57, 63, 65, FOT 13, 15, 16, 18-20, 24-26, 28-31, 33, 36, 37, 42, 47, GM 22-31, 33-35, 37, 38, 41, 42, 44-54, 57-59, 62-64, 66, 67, 69-76, 78-82, 84, 87-91, 93-99, 101, 102, 104, 105, 109, 111-113, 116, 117, 120, 121, 123, 124, GMT 7-9, 11-21, 26-34, 36-40, 42, 44-47, 49, 51, IH 26, IST 7, JEE 2, 6, 7, 9, 11, 12, 14, 18, 19, MER 1-3, 5, 6, 8-10, 12, 13, OMC 1, 2, 4, 6, 8-11, ST 1-7, STT 1-4, VOM 1, 2
VG-5045	FO 12, 13, FOT 3	VG-688	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	VK-115B	AMC 4, 6, 9-11, 15, 20, FO 26, 29, 30, 33-35, 37-46, 48-51, 54, 57, 63, 65, FOT 13, 15, 16, 18-20, 24-26, 28-31, 33, 36, 37, 42, 47, GM 22-31, 33-35, 37, 38, 41, 42, 44-54, 57-59, 62-64, 66, 67, 69-76, 78-82, 84, 87-91, 93-99, 101, 102, 104, 105, 109, 111-113, 116, 117, 120, 121, 123, 124, GMT 7-9, 11-21, 26-34, 36-40, 42, 44-47, 49, 51, IH 26, IST 7, JEE 2, 6, 7, 9, 11, 12, 14, 18, 19, MER 1-3, 5, 6, 8-10, 12, 13, OMC 1, 2, 4, 6, 8-11, ST 1-7, STT 1-4, VOM 1, 2
VG-5046	GMT 36, 44, 45, 51, MER 10, 12, OMC 10, VOM 1, 2	VG-688B	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	VK-115R	AMC 4, 6, 9-11, 15, 20, FO 26, 29, 30, 33-35, 37-46, 48-51, 54, 57, 63, 65, FOT 13, 15, 16, 18-20, 24-26, 28-31, 33, 36, 37, 42, 47, GM 22-31, 33-35, 37, 38, 41, 42, 44-54, 57-59, 62-64, 66, 67, 69-76, 78-82, 84, 87-91, 93-99, 101, 102, 104, 105, 109, 111-113, 116, 117, 120, 121, 123, 124, GMT 7-9, 11-21, 26-34, 36-40, 42, 44-47, 49, 51, IH 26, IST 7, JEE 2, 6, 7, 9, 11, 12, 14, 18, 19, MER 1-3, 5, 6, 8-10, 12, 13, OMC 1, 2, 4, 6, 8-11, ST 1-7, STT 1-4, VOM 1, 2
VG-5051T	GM 47, JEE 8	VG-689	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	VK-138	AMC 9, 11-14, 16-20, CHM 11, 14, 17, 18, 21, CHR 56-58, DT 24, FO 47, 52, 53, 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 35, 38, 39, 41, 43, 44, 46, GM 85, 100, 108, 110, 115, 119, GMT 43, 50, 52, 54, IH 2, 5, 8, 9, 11, 16, 17, 19, 21, 22, 24, 27, JEE 12, 14, 15, 18, MER 15
VG-5052T	GMT 49	VG-697	GMT 2, 3, IS 6-10, IST 1, 2, 5, 6, OP 3	VK-138B	AMC 9, 11-14, 16-20, CHM 11, 14, 17, 18, 21, CHR 56-58, DT 24, FO 47, 52, 53, 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 35, 38, 39, 41, 43, 44, 46, GM 85, 100, 108, 110, 115, 119, GMT 43, 50, 52, 54, IH 2, 5, 8, 9, 11, 16, 17, 19, 21, 22, 24, 27, JEE 12, 14, 15, 18, MER 15
VG-5053	FOT 5	VG-698	GMT 2, 3, IS 6-10, IST 1, 2, 5, 6, OP 3, VW 12		
VG-5055T	MER 2	VG-700	CHR 14, 15, 18, 19, DT 3, 6, 7		
VG-5057T	FO 64	VG-700B	CHR 14, 15, 18, 19, DT 3, 6, 7		
VG-5061	FO 40, 43-46, 54, 63, FOT 45, GM 30, 46, 87, MER 1, 8, OMC 1, 6	VG-701	CHR 14, 15, 18, 19, DT 3, 6, 7		
VG-5062	AMC 8, 9, 11, 13, 14, 16, 18-20, CHM 10, 12, CHR 37, 40, 43, 51, DT 19, FO 64, 66, GM 85, 86, 103, 110, 122, GMT 43, IH 26, JEE 12, 14, 15, 17-19	VG-701B	CHR 14, 15, 18, 19, DT 3, 6, 7		
VG-5071	FO 33, FOT 18, 26, GM 30, 31	VG-705	AUD 1-6, 8-11, CHR 8, VOL 8, 9, VW 2-4, 7, 9, 11, 12, VWT 9		
		VG-706	TO 21, 23, TOT 6, 8, 9		
		VG-710	CHR 6, 7, 9, 23, DT 10, MI 4, 5, 13		
		VG-713	FOT 2, MZ 2, 3, 10, 11, MZT 3, 4		
		VG-714	CHR 10, 11, 20, 21, DT 1, 2, 5, 8, MI 6-8, 11, 12, MIT 1, 3, 4, MZT 7		
		VG-715	CHR 10, 11, 20, 21, DT 1, 2, 5, 8, MI 6-8, 11, 12, MIT 1, 3, 4, MZT 7		
		VG-721	CHR 1, 2, MI 1		
		VG-722	CHR 1, 2, MI 1		
		VG-729*	GMT 2		
		VG-731	GM 6, TO 4, 6, 7		
		VG-732	GM 6, TO 4, 6, 7		
		VG-734	NI 10, 15, 18, 24-28, NIT 2-4		
		VG-736	FO 3, 7		
		VG-737	FO 3, 7		
		VG-743	NI 14, 17, 20		
		VG-747	HO 3-8, 13		
		VG-748	HO 14, 15, 17, 19		
		VG-750	IST 3		
		VG-757 8	NI 29, 32, NIT 11		
		VG-758 8	NI 29, 32, NIT 11		
		VG-760	NI 19, 22, NIT 5, 7, 8		
		VG-763 8	BMW 7		
		VG-771	MB 13		
		VG-772	BL 10		
		VG-773	BL 10		
		VG-774	SAB 5		
		VG-776	CHR 8, VW 11, 12, VWT 9		
		VG-780	VOL 2-5, 7		
		VG-781	VOL 3-5, 7		
		VG-791	HO 8, 20, 24, 28, 29		
		VG-792	TO 5		
		VG-793	TO 23, TOT 8		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
VK-138R	AMC 9, 11-14, 16-20, CHM 11, 14, 17, 18, 21, CHR 56-58, DT 24, FO 47, 52, 53, 55, 56, 58, 59, 61, 62, 64, 66, FOT 27, 35, 38, 39, 41, 43, 44, 46, GM 85, 100, 108, 110, 115, 119, GMT 43, 50, 52, 54, IH 2, 5, 8, 9, 11, 16, 17, 19, 21, 22, 24, 27, JEE 12, 14, 15, 18, MER 15	VK-97	GM 60, 61, 77, 86, 92, 103, 106, 107, 114, 118, 122, JEE 17	VS-521	AMC 4, GM 22, 24-28, 33, 36, 39-41, 43, 45, 51, 62, 63, 66, 68-70, 80, 82, 93, 110, GMT 7, 9, 11, 14, 19, 26, 29, 32, 34, 40, JEE 6, MER 1, OMC 1, 2, 4, 6, ST 2, 6
VK-144	AMC 3, CHR 14, 15, 17-19, 57, DT 3, 6, 7, FO 15, 18-21, 24, 27, 36, 40, FOT 7-10, 12, 22, 23, JEE 5	VSR-7013	GM 94, 112, 123, 124	VS-522	GM 85, GMT 43
VK-144B	AMC 3, CHR 14, 15, 17-19, 57, DT 3, 6, 7, FO 15, 18-21, 24, 27, 36, 40, FOT 7-10, 12, 22, 23, JEE 5	VS-1414	TOT 12	VS-526	GM 78, 96, 99
VK-144R	AMC 3, CHR 14, 15, 17-19, 57, DT 3, 6, 7, FO 15, 18-21, 24, 27, 36, 40, FOT 7-10, 12, 22, 23, JEE 5	VS-1415	MZ 8	VS-527	GM 61, 77, 92, 106, 107, 114
VK-174	AMC 8-15, 18, 20, CHM 5, 10, 12, 16, CHR 22, 24, 27, 30, 32, 34, 35, 37-39, 42-58, DT 9, 11, 15, 21-25, 27, 29-31, IH 9, 14, 26, JEE 12, 14-16, 18, 19	VS-1416	MZ 16, MZT 9	VS-534	GM 49, GMT 21
VK-174R	AMC 8-15, 18, 20, CHM 5, 10, 12, 16, CHR 22, 24, 27, 30, 32, 34, 35, 37-39, 42-58, DT 9, 11, 15, 21-25, 27, 29-31, IH 9, 14, 26, JEE 12, 14-16, 18, 19	VS-1418	HO 21	VS-547	IH 8, 11, 16
VK-194*	GM 36, 39, 40, 43, 47, 68, 83, JEE 8, OMC 3, 7	VS-1425	HO 20	VS-562	FO 15, 19, FOT 7, 8
VK-204	AUD 2, 3, 5, 6, 8-12, 15, BMW 3, 5, 8-10, CHM 1, 3, CHR 8, FO 3, 7, 8, 18, 20-22, FOT 9-11, 22, VOL 3-5, 7-9, VW 1, 5-7, 10-12, 14, 15, VWT 1, 4, 5, 8-13	VS-1428	FO 47, 52, 53, FOT 35, 38	VS-612	GM 61, 77, 92, 106, 107, 114
VK-205	AUD 10, FO 12-14, 17, 31, 32, 49, 50, 57, FOT 3, 5, 17, 36, 42	VS-1433	GM 87, 105, 116	VS-624	FO 15, 19, 24, 36, FOT 7, 8, 12, 23
VK-205R	AUD 10, FO 12-14, 17, 31, 32, 49, 50, 57, FOT 3, 5, 17, 36, 42	VS-1435	CHM 10, FO 44, 50, 57, FOT 36, 42, MER 9, 13, OMC 8	VS-644	GM 43, 68, 83, JEE 8
VK-207	FO 9, FOT 1, 2, MZ 1-4, 10-12, MZT 1-5	VS-1435B	CHM 10, FO 44, 50, 57, FOT 36, 42, MER 9, 13, OMC 8	VS-648	FO 35, FOT 20, 31
VK-208	FOT 1, 2, MZ 1-4, 10, 11, 16, MZT 1-5, 9	VS-1445	TO 23, TOT 8, 9	VS-648B	FO 35, FOT 20, 31
VK-210	TO 1-3, 9, 10, 13-15, 17, 21-23, 25-27, TOT 1-3, 6, 8, 9, 16	VS-1446	NI 29, 30, 32, NIT 11	VS-651	GM 46, 79, 87, 97, 105, 111, 116, 121
VK-215	GMT 2, 3, IS 6, 8, 10, IST 1, 2, 5, 6, NI 1, 3, 4, 6, 7, 10, 15, 18, 19, 22, 24-28, NIT 2-4, 7, 8, OP 3	VS-1455	FOT 47	VS-653	GM 33, 45, 51, GMT 14, 19, 26, ST 2
VK-216	CHR 17, DT 19, GM 3, 11-13, 15, 16, 20, 26, 29, 31, 32, GMT 4, 8, JEE 5, 13	VS-1456	CHR 17, JEE 5, 13	VS-656	FO 35, FOT 20, 31
VK-216B	CHR 17, DT 19, GM 3, 11-13, 15, 16, 20, 26, 29, 31, 32, GMT 4, 8, JEE 5, 13	VS-1457	CHR 14, 15, 18, 19, DT 3, 6, 7, 19, 24, 27	VS-656B	FO 35, FOT 20, 31
VK-219	TOT 15-17	VS-1457B	CHR 14, 15, 18, 19, DT 3, 6, 7, 19, 24, 27	VS-657	GM 100, 108, 115, 119, GMT 50, 52
VK-225	CHR 14, 15, 18, 19, 25, DT 3, 6, 7, 12	VS-1458	CHR 25, DT 12	VS-660	FO 42
VK-230	CHR 1, 2, 4, 12, 13, MI 1-3, 9, 10	VS-1459	FO 13, FOT 3, 5	VS-661	FO 35, 37, 40, 42, 44, 51, FOT 17, 20, 37, 42, 45
VK-232	CHR 6, 7, 9, 11, 20, 21, 23, DT 2, 4, 5, 8, 10, FOT 6, MI 4-8, 11-13, MIT 1-5, MZT 7	VS-1460	FO 14, 17	VS-665	GM 46, 79, 87, 97, 105, 111, 116, 121
VK-235	HO 4, 6-8, 11, 15-20, 22, 23	VS-1461	CHR 11, 20, 21, 23, DT 5, 8, 10, MI 7, 8, 11-13, MIT 1, 3-5, MZT 7	VS-666	AMC 8-12, 15, JEE 12, 14, 16
VK-240	TO 11, 12, TOT 4, 7, 12	VS-1461B	CHR 11, 20, 21, 23, DT 5, 8, 10, MI 7, 8, 11-13, MIT 1, 3-5, MZT 7	VS-667	VW 1, 5, 6, VWT 1, 4, 5
VK-242	GM 7, TO 5, 8, 18-20, 24, 28, 29	VS-1462	FO 22, FOT 11	VS-671	GM 119, GMT 54, MER 15
VK-243	NI 8, 9, 12, 17, 20, 29, 30, 32, NIT 11	VS-1508	NI 8, 9, 12	VS-671B	GM 119, GMT 54, MER 15
VK-245	GM 1, HO 9, 10, 12, 21	VS-1512	CHR 2, MI 1	VS-672	FO 42, 44, FOT 29, 33
VK-247	GM 4, 5, IS 1, 2	VS-1528	GMT 3, IS 6, 8-10, IST 2, 5, 6	VS-673	CHR 49, 52, 53, 55-58, DT 29-31
VK-248	GMT 1, SZ 4, SZT 2, 3	VS-1530	GM 21	VS-675	CHR 53, 55, 58
VK-249	NI 23, 33, NIT 9	VS-1531	GM 50, 65	VS-677	GM 23, 27, 37, 44, 47, 53, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 28, 32, 36, 38, 40, 44, 45, 51, MER 10, 12, OMC 6, 9, 10, VOM 1, 2
VK-250	NI 13	VS-1532	GM 50, 65	VS-677B	GM 23, 27, 37, 44, 47, 53, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 28, 32, 36, 38, 40, 44, 45, 51, MER 10, 12, OMC 6, 9, 10, VOM 1, 2
VK-261	GMT 31	VS-1535	CHR 4, 12, 13, MI 2, 3, 9, 10	VS-678	CHR 47, 51
VK-27	JEE 9	VS-1551	GM 65	VS-680	CHM 11, 12, 14, DT 24
VK-284	MZ 8	VS-1552	GM 65	VS-680B	CHM 11, 12, 14, DT 24
VK-285	MZ 9	VS-1553	DT 26	VS-682	FO 56, 62, FOT 39, 41, OMC 11
VK-286	DT 26	VS-1561	FO 1, 2	VS-682B	FO 56, 62, FOT 39, 41, OMC 11
VK-292	GM 21	VS-1563	GM 17	VS-693	FOT 43, 46, IH 2, 5, 17, 19, 21, 22, 24, 27
VK-50	JEE 2, 3	VS-1564	GM 10	VS-701	CHR 57, 58
VK-63	CHM 4, 7, 9, CHR 28, 29, 31, 33, DT 13, 17, 18, 20, IH 13, 18	VS-1567	FOT 10	VS-703	AMC 13, 16, 19, FO 49, 50, 57, 63, 65, FOT 33, 36, 42, 45, 47
VK-66	CHM 5, 8, 10-18, 21, CHR 22, 24, 27, 30, 34, 35, 37, 39, 43-58, DT 9, 11, 15, 19, 21-25, 27, 29-31, IH 7, 10	VS-1568	FO 31, 32	VS-703B	AMC 13, 16, 19, FO 49, 50, 57, 63, 65, FOT 33, 36, 42, 45, 47
VK-66R	CHM 5, 8, 10-18, 21, CHR 22, 24, 27, 30, 34, 35, 37, 39, 43-58, DT 9, 11, 15, 19, 21-25, 27, 29-31	VS-1573	FO 10, 11, MZ 14, 15	VS-707	FO 51, FOT 37
VK-88	FO 30, 34, 38, FOT 14, 19, 25	VS-1574	FO 10, 11, MZ 14, 15	VS-708	GM 100, 108, 115, 119, GMT 52, 54
		VS-1575	FO 26, 27, 29, 33, 39-43, FOT 13, 15, 18, 26-28, 30	VS-71	FO 25
		VS-1575B	FO 26, 27, 29, 33, 39-43, FOT 13, 15, 18, 26-28, 30	VS-711	GM 86
		VS-1580	GM 105, 121	VS-712	GM 103, 118, 122
		VS-1581	GM 115	VS-717	FO 44, 49, 58, 61-63, 65, FOT 44
		VS-1582	GM 122	VS-718	FO 37, 44, 51, FOT 24, 33, 37, MER 3, OMC 8, 11
		VS-1618R	FO 37, GM 81, 91, 101, 102, 113, 120	VS-718B	FO 37, 44, 51, FOT 24, 33, 37, MER 3, OMC 8, 11
		VS-1630	FOT 22	VS-721	FO 64, 66, GM 54, 74, 91, 109, 120
		VS-1630B	FOT 22	VS-721B	FO 64, 66, GM 54, 74, 91, 109, 120
		VS-1660R*	GM 87	VS-727	GM 15, 16, 29, 57, 73, 75, 88, 104, GMT 4, 36, 38, 40, 44, 45, 51, MER 10, 12, OMC 9, 10
		VS-304	CHM 4, 6, 7, 9, CHR 28, 29, 31, 33, DT 13, 17, 18, 20	VS-727B	GM 15, 16, 29, 57, 73, 75, 88, 104, GMT 4, 36, 38, 40, 44, 45, 51, MER 10, 12, OMC 9, 10
		VS-310	JEE 9	VS-728	GM 119, GMT 54
		VS-313	JEE 2, 3	VS-733	FO 37, 44, 51, FOT 24, 33, 37
		VS-336	IH 23, 25	VS-733B	FO 37, 44, 51, FOT 24, 33, 37
		VS-337	IH 23, 25	VS-739R	GM 66, 71, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, OMC 1
		VS-389	IH 8, 11, 16	VS-739RB	GM 66, 71, 73, 75, 80, 88, 104, GMT 32, 36, 38, 40, 44, OMC 1
		VS-392	FO 34, 38, FOT 19, 25	VS-743	AMC 9, 11, 14, 18, JEE 12, 14, 15, 18
		VS-393	FO 30, 34, 38, FOT 14, 19, 25	VS-744	GM 35, 47, 48, 53
		VS-415	JEE 2	VS-754*	NI 10, 15, 18, 24-27, NIT 2-4
		VS-424	GM 42, 49, GMT 16, 17, 21, 27, 31	VS-778	DT 31
		VS-445	GM 34, 67, 76, 79, 84, 95, 97, 111, GMT 33, 39, 42	VS-786	TO 21, 23, TOT 6, 8, 10
		VS-446	GM 34, 67, 76, 79, 84, 95, 97, 111, GMT 33, 39, 42	VS-789	TOT 15-17
		VS-485	GM 93, 94, 98, 112, 117, 123, 124		
		VS-506	CHM 6, 7, CHR 28, 29, 31, 33, DT 13, 17, 18, 20		
		VS-510	CHR 22, 24, 27, 30, 32, 35, 37-39, 42-46, 48, 50, 51, 54, DT 9, 11, 15, 19, 21-24, 27		
		VS-510B	CHR 22, 24, 27, 30, 32, 35, 37-39, 42-46, 48, 50, 51, 54, DT 9, 11, 15, 19, 21-24, 27		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
VS-794	GM 11	V-1367	GM 98, 117	V-1904	GM 44, 45, 51, 57, 73, 75, 88, 104, GMT 18, 26, 28, 36, 38, 44, 51, MER 1, 10, OMC 10
VS-795	DT 19, 24, 27, 31	V-1386	CHM 17, 18, 21, CHR 52, 53, 55-58, DT 29-31	V-1904B	GM 44, 45, 51, 57, 73, 75, 88, 104, GMT 18, 26, 28, 36, 38, 44, 51, MER 1, 10, OMC 10
VS-795B	DT 19, 24, 27, 31	V-1389	DT 24	V-1905	GM 100, 108, 115, 119, MER 15
VS-798	GM 29, 31, GMT 12, 13, IST 7, JEE 7	V-1415	GM 92, 106, 107, 114	V-1908	CHR 43, 47, 51, DT 24, 27
VS-798B	GM 29, 31, GMT 12, 13, IST 7, JEE 7	V-1434	CHM 5, CHR 22, 24, 27, DT 9, 11, 15	V-1908B 15	CHR 43, 47, 51, DT 24, 27
VS-813	TO 4, 6, 7	V-1438	CHM 16	V-1911	GM 100, 108, 115, 119, GMT 50, 52, 54
VS-820	GMT 49	V-1439	FO 15, 19, 24, FOT 7, 8	V-1911B	GM 100, 108, 115, 119, GMT 50, 52, 54
VS-820B	GMT 49	V-1532	GM 34, 79, 97	V-1912	GM 100, 108, 115, 119, GMT 50, 52, 54
VS-822	AMC 3, JEE 5, 13	V-1539	FO 52, 56, 59, 62, FOT 38, 39, 41	V-1912B	GM 100, 108, 115, 119, GMT 50, 52, 54
VS-823	FOT 31	V-1539B 15	FO 52, 56, 59, 62, FOT 38, 39, 41	V-1920	GM 121
VS-824	FOT 31	V-1542	IH 8, 11	V-1926	GM 58, 88, 104, GMT 28, 38, 44, 51, MER 2, 12, OMC 2, 9, 10
VS-827	FOT 9	V-1543	IH 16	V-1926B	GM 58, 88, 104, GMT 28, 38, 44, 51, MER 2, 12, OMC 2, 9, 10
VS-848	MZ 11, MZT 4, 5	V-1550	GM 36, 39, 40	V-1927	GM 45, 51, 57, 64, 73, 75, GMT 26, 34, 36, 38, 44, 51, MER 1, 5, 6, 8, 10, OMC 1, 2, 4, 6, 9, 10, VOM 1
VS-849	MZ 11, MZT 4, 5	V-1558	GMT 37	V-1927B	GM 45, 51, 57, 64, 73, 75, GMT 26, 34, 36, 38, 44, 51, MER 1, 5, 6, 8, 10, OMC 1, 2, 4, 6, 9, 10, VOM 1
VS-855	CHM 1, 3, VOL 2	V-1612	GM 80, 104	V-1928	GMT 26, 35, 44, 45
VS-857	FOT 5	V-1612B	GM 80, 104	V-1932	FO 44, FOT 33, OMC 8
VS-859	GMT 54	V-1613	FO 27, 40	V-1932B 15	FO 44, FOT 33, OMC 8
VS-861	GM 26, GMT 8	V-1654	GM 92, 106, 107, 114	V-1933	FO 63
VS-861B	GM 26, GMT 8	V-1681	JEE 2	V-1937X	FO 35, FOT 20, 31
VS-862	FOT 31	V-1710	FO 40, 42	V-1942	GM 91
VS-862B	FOT 31	V-1711	FO 40, 42	V-1943	GM 120
VS-863	FOT 31	V-1712	GM 117	V-1946	GM 105, 116
VS-863B	FOT 31	V-1713	GM 117	V-1961	FO 37, 44, 51, FOT 24, 33, 37, OMC 8
VS-869	TO 18, 20	V-1717	FO 19, 24, 36, FOT 8, 12, 23	V-1961B	FO 37, 44, 51, FOT 24, 33, 37, OMC 8
VS-870	TO 5	V-1722	CHM 12, CHR 35, 43, DT 19, 22, 24	V-1963	GM 87, 105
VS-876	NI 17, 19, 20, 22, 29, 30, 32, NIT 5, 7, 8, 11	V-1722B 15	CHM 12, CHR 35, 43, DT 19, 22, 24	V-1964	GM 87, 105
VS-894	HO 17, 19	V-1737	GM 79	V-1967	GM 121
VS-901	HO 9, 12	V-1743	GM 97, 105, 111	V-1979	AMC 18, 20, IH 26, JEE 18, 19
VS-907	GM 16, 20	V-1744	GM 43, 68, 83, JEE 8	V-1979B	AMC 18, 20, IH 26, JEE 18, 19
VS-909	GM 29, 31, 32	V-1745	GM 43, JEE 8	V-1980	AMC 18, 20, IH 26, JEE 18, 19
VS-911	DT 19, 24, 27	V-1755	GM 71, 80, 88	V-1981	AMC 8-15, JEE 12, 14-16
VS-918	FO 44, FOT 37	V-1755B 15	GM 71, 80, 88	V-1983	FO 19, 24, 36, FOT 8, 12, 23
VS-919	FO 44, 51, FOT 37, MER 9, OMC 8	V-1756	GM 71, 80, 88	V-1984	FO 63, 65, FOT 45, 47, MER 3
VS-919B	FO 44, 51, FOT 37, MER 9, OMC 8	V-1756B 15	GM 71, 80, 88	V-1984B 15	FO 63, 65, FOT 45, 47, MER 3
VS-920	FOT 47	V-1770	GM 81, 91	V-1988X	GMT 28, 36, 44, 45, 51, MER 10, VOM 2
VS-922	GM 26, GMT 8	V-1772	GM 91, 101, 102, 113, 120	V-1988XB	GMT 28, 36, 44, 45, 51, MER 10, VOM 2
VS-924	GM 38, 47	V-1773	GM 81, 91	V-1989X	GMT 54, MER 15
VS-932	TO 8	V-1775	GM 91, 102, 109, 113, 120	V-1989XB 15	GMT 54, MER 15
VS-934	TO 24	V-1776	GM 101, 102, 120	V-1992	FO 18, 20, FOT 9
VS-941	NI 23, NIT 9	V-1783	FO 42	V-1995	GM 91
VS-942	NI 23, NIT 9	V-1784	FO 42, 44, FOT 29, 33	V-2023	AMC 8-15, JEE 12, 14-16
VS-943	NI 23, NIT 9	V-1784B 15	FO 42, 44, FOT 29, 33	V-2024	AMC 18, 20, JEE 18, 19
VS-944	NI 23, NIT 9	V-1785	FO 42, 44, FOT 29, 33	V-2024B	AMC 18, 20, JEE 18, 19
VS-949	MZ 9	V-1785B	FO 42, 44, FOT 29, 33	V-2028	GM 91, 120
VS-950	MZT 8	V-1799	GM 103, 118, 122	V-2029	CHR 35, 43, DT 22, 24
VS-953	MZ 16, MZT 9	V-1800	GM 103, 118, 122	V-2029B 15	CHR 35, 43, DT 22, 24
VS-957	HO 21	V-1801	GM 123, 124	V-2030	FO 49, 50, 57, FOT 36, 42
VS-970	SZ 3, 4, SZT 2, 3	V-1802	GM 123, 124	V-2030B	FO 49, 50, 57, FOT 36, 42
V-1004	CHM 7, CHR 29, 31, 33, DT 18, 20	V-1809	FO 52, 56, 59, 62, FOT 41	V-2040	FO 35, FOT 20, 31
V-1005	CHM 7, 8, CHR 29, 31, 33, DT 18, 20	V-1810	GM 79	V-2040B	FO 35, FOT 20, 31
V-1041	FO 34, 38, FOT 19, 25	V-1813	GM 97, 105, 111	V-2041	FO 35, FOT 20, 31
V-1060	JEE 2	V-1823	GM 87, 105, 116	V-2044	FO 51, FOT 37, MER 9, OMC 8, 11
V-1076	GM 49, GMT 21, 27	V-1824	GM 87, 105, 116	V-2045	FO 44, 51, FOT 33, 37
V-1086	CHM 4, 6, CHR 28, DT 13, 17	V-1826	GM 87, 105, 116	V-2045B	FO 44, 51, FOT 33, 37
V-1099	GM 82, 93	V-1830	AMC 16, 18, 19, JEE 18	V-2061	GM 74, 91, 109
V-1100	GM 82, 93	V-1831	AMC 16, 18-20, JEE 18	V-2061B 15	GM 74, 91, 109
V-1115	FO 29, 39, 41, 43, 45, 46, FOT 15, 26, 28	V-1832	GM 87, 105, 121	V-2073	FO 24, 36
V-1127	FO 26, 29, 33, 39, 41, 43, 45, FOT 13, 15, 18, 26, 28, 30	V-1834X	IH 5, 24	V-2074	FOT 31
V-1128	FO 33, 43, 45, FOT 18	V-1849	FO 63, 65, FOT 45	V-2074B 15	FOT 31
V-1199	GM 27, 33, 41, 42, 45, 49, 63, 66, 75, 80, 88, GMT 9, 14, 16, 19, 21, 27, 29, 32, 38, 44, OMC 1, 6, 9, ST 2, 6	V-1850	FO 63, 65, FOT 45	V-2075	FO 49, 50, 57, FOT 36, 42
V-1199B	GM 27, 33, 41, 42, 45, 49, 63, 66, 75, 80, 88, GMT 9, 14, 16, 19, 21, 27, 29, 32, 38, 44, OMC 1, 6, 9, ST 2, 6	V-1853	FO 47, 52, 53, 56, 58, 59, 62, FOT 35, 38, 39, 41	V-2075B	FO 49, 50, 57, FOT 36, 42
V-1200	GM 27, 33, 41, 42, 45, 49, 63, 66, 75, 80, 88, GMT 9, 14, 16, 19, 21, 27, 29, 32, 38, 44, OMC 1, 6, 9, ST 2, 6	V-1853B	FO 47, 52, 53, 56, 58, 59, 62, FOT 35, 38, 39, 41	V-2095	FO 50, 57, FOT 36, 42
V-1200B	GM 27, 33, 41, 42, 45, 49, 63, 66, 75, 80, 88, GMT 9, 14, 19, 29, 32, 34, 38, 40, ST 2, 6	V-1861	GM 108, 115, 119, GMT 54	V-2095B 15	FO 50, 57, FOT 36, 42
V-1203	JEE 9	V-1864	CHR 47	V-2113	DT 27
V-1285	FO 41, 43, 45, FOT 28, 30	V-1875	FO 58, 61, 62, FOT 44	V-2117	GM 30, 35, 47, 48, 53
V-130	FO 25	V-1876	FO 61, 62, FOT 44		
V-1327X	IH 8, 11, 16	V-1879	FO 49		
V-1339	CHR 49, 52, 53, 56-58	V-1888X	GM 27, 33, 42, 45, 49, 51, 63, 66, 75, 80, 88, GMT 14, 16, 19, 21, 26, 27, 29, 32, 34, 35, 38, 40, 44, 45, MER 1, 5, 6, 8, 10, 12, OMC 1, 2, 4, 6, 9, 10, ST 2, 6, VOM 1, 2		
V-1343	CHM 12, CHR 37, 39, 43, 45, DT 24	V-1888XB 15	GMT 44		
V-1344	CHM 12, CHR 37, 39, 43, 45, DT 24	V-1893	FO 51, FOT 37, MER 9, 13, OMC 11		
V-1351	CHM 4, 6, CHR 28, DT 13, 17	V-1893B 15	FO 51, FOT 37, MER 9, 13, OMC 11		
V-1366	GM 98, 117	V-1900	CHR 53, 55, 58, DT 29-31		
		V-1902	GM 87, 105, 121		
		V-1903	GM 87, 105, 121		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
V-2141	CHR 43, DT 24	V-2431B 15	GM 29, 31, 32	V-2624	HO 11
V-2142	FO 50, 57, FOT 36, 42	V-2432	GM 29, 31, 32	V-2625	HO 11
V-2142B 15	FO 50, 57, FOT 36, 42	V-2432B 15	GM 29, 31, 32	V-2627	HO 22, 23
V-2143	GM 44, 73, GMT 36	V-2434	CHR 15, 19, DT 7	V-2630	GMT 1, SZT 3
V-2143B	GM 44, 73, GMT 36	V-2436	GM 26, GMT 8	V-2631	GMT 1, SZT 3
V-2154	DT 19, 24	V-2442	GM 16, 20	V-2632	IS 10, IST 6
V-2155	DT 27	V-2443	GM 16, 20	V-2633	IS 10, IST 6
V-2170	FO 12-14, 17, FOT 5	V-2445	FO 7	V-2634X	IST 5
V-2170B 15	FO 12-14, 17, FOT 5	V-2445B 15	FO 7	V-2638	HO 20
V-2172	GM 29, GMT 12, JEE 7	V-2446	FO 7	V-2652	CHR 4, 12, 13, MI 2, 3, 9, 10
V-2173	GM 29, GMT 12, JEE 7	V-2446B 15	FO 7	V-2652B	CHR 4, 12, 13, MI 2, 9, 10
V-2173B 15	GM 29, GMT 12, JEE 7	V-2448	FO 22, FOT 11	V-2653	CHR 4, 12, 13, MI 2, 3, 9, 10
V-2180	GMT 2, IS 8, OP 3	V-2448B 15	FO 22, FOT 11	V-2653B	CHR 4, 12, 13, MI 2, 9, 10
V-2187	FOT 1, 2, MZ 4, 10, MZT 1-3	V-2449X	GMT 34, 36, 44, 51	V-2658	CHR 9, MI 5
V-2194	CHR 14, DT 3	V-2450X	GMT 54	V-2659	CHR 9, MI 5
V-2196	GM 74	V-2452	FOT 47	V-2660	DT 5, MI 11, MIT 3
V-2196B 15	GM 74	V-2456	FO 12, 14	V-2661	DT 5, MI 11, MIT 3
V-2201	FO 3, 7	V-2456B 15	FO 12, 14	V-340	JEE 3
V-2203	AMC 4, GM 26, GMT 8, JEE 6	V-2496	TOT 4, 7	V-341	JEE 3
V-2204	AMC 4, GM 26, GMT 8, JEE 6	V-2497	TOT 4, 7	V-3912	MZ 16, 17, MZT 9
V-2205	AMC 11, JEE 14, 15	V-2500	TO 5	V-3913	MZT 8
V-2206	AMC 11, JEE 14, 15	V-2500B	TO 5	V-3915	GM 38, 47
V-2231	FO 31, 32, FOT 17	V-2501	TO 5	V-3915B 15	GM 38, 47
V-2231B	FO 31, FOT 17	V-2505	TO 5	V-3916	GM 38, 47
V-2232	FO 31, 32, FOT 17	V-2506X	TOT 16	V-3916B 15	GM 38, 47
V-2232B	FO 31, FOT 17	V-2521	GM 65	V-3917	GM 10
V-2249	NI 19, 22, NIT 5, 7, 8	V-2522	GM 65	V-3918	FOT 22
V-2250	NI 19, 22, NIT 5, 7, 8	V-2524X	IH 2, 19, 21, 22	V-3918B	FOT 22
V-2251	GMT 2, 3, IS 6, 8, IST 1, 2	V-2525	IH 2, 19, 21, 22	V-3923	GM 87, 105, 116
V-2252	GMT 2, 3, IS 6, 8, IST 1, 2	V-2526	CHR 17, JEE 5, 13	V-3925	CHR 47, 51, DT 27, 30
V-2253	CHR 1, 2, MI 1	V-2526B 15	CHR 17, JEE 5, 13	V-3925B 15	CHR 47, 51, DT 27, 30
V-2254	CHR 1, 2, MI 1	V-2527	CHR 17, JEE 5, 13	V-3926	FO 51, FOT 37, OMC 11
V-2255	GM 6, TO 4, 6, 7	V-2527B 15	CHR 17, JEE 5, 13	V-3926B 15	FO 51, FOT 37, OMC 11
V-2256	GM 6, TO 4, 6, 7	V-2528	GM 50, 65	V-3929	FO 63, 65, FOT 45, 47, MER 3
V-2257	TOT 15, 17	V-2529	GM 26, GMT 8	V-3929B 15	FO 63, 65, FOT 45, 47, MER 3
V-2258	TOT 15-17	V-2529B 15	GM 26, GMT 8	V-3933	CHR 11, DT 2, MI 6-8, MIT 1
V-2263	TO 23, TOT 8	V-2530	GM 26, GMT 8	V-3937	FOT 31
V-2263B	TO 23, TOT 8	V-2530B 15	GM 26, GMT 8	V-3937B 15	FOT 31
V-2264	TO 23, TOT 8, 9	V-2532	GM 17, 18	V-3938	HO 15, 17, 19
V-2264B	TO 23, TOT 8, 9	V-2539X	FOT 31	V-3940	CHR 15, 19, DT 7
V-2265	FOT 1, 2, MZ 4, 10, MZT 1-3	V-2547	HO 16, 18, 23	V-3941	GM 26, GMT 8
V-2287	GMT 49	V-2548	HO 18, 20, 22, 23	V-3943	FO 12, 14, 17, FOT 5
V-2288X	GMT 49	V-2553	FO 21, FOT 10	V-3943B 15	FO 12, 14, 17, FOT 5
V-2290	GM 29, 31, GMT 12, 13, IST 7	V-2553B	FO 21, FOT 10	V-3948	GM 50, 65
V-2290B 15	GM 29, 31, GMT 12, 13, IST 7	V-2554	FO 21, FOT 10	V-3949	GM 17, 18
V-2291	GM 29, 31, GMT 12, 13, IST 7	V-2554B	FO 21, FOT 10	V-3951	CHR 43, DT 19, 24
V-2291B 15	GM 29, 31, GMT 12, 13, IST 7	V-2556	DT 27	V-3952	CHR 23, DT 10, MI 13, MIT 5
V-2294	AMC 3, CHR 17, JEE 5	V-2557	CHR 25, DT 12	V-3952B	CHR 23, DT 10, MI 13, MIT 5
V-2295	AMC 3, CHR 17, JEE 5	V-2558	CHR 25, DT 12	V-3953	CHR 2, 6, 10, 11, 20, 21, DT 1, 2, MI 1, 4, 6-8, 11, MIT 1
V-2299	FOT 3	V-2559	HO 8	V-3957	FO 22, FOT 11
V-2300	FOT 3	V-2560	HO 9, 10, 12	V-3957B 15	FO 22, FOT 11
V-2302	FOT 43, 46, IH 27	V-2561	HO 9, 10, 12	V-4065	NI 30, 31
V-2303	FOT 43, 46, IH 27	V-2563	CHR 23, DT 10, MI 13, MIT 5	V-4067	CHR 2, MI 1
V-2304	GM 91, 109, 113, 120	V-2563B	CHR 23, DT 10, MI 13, MIT 5	V-4070	NI 16
V-2305X	IST 4	V-2565X	HO 21	V-4081	IH 23, 25
V-2312	CHR 20, 21, DT 8, MI 12, MIT 4, MZT 7	V-2566	HO 21	V-4093	CHM 5, CHR 22, 24, 27, DT 9, 11, 15
V-2313	CHR 20, 21, DT 8, MI 12, MIT 4, MZT 7	V-2572	NI 20	V-4093B 15	CHM 5, CHR 22, 24, 27, DT 9, 11, 15
V-2316	NI 12	V-2574	GM 7, TO 8	V-4155	NI 16
V-2322	NI 29, 32, NIT 11	V-2575	GM 7, TO 8	V-4168	GM 30, 35, 47, 48, 53, GMT 20
V-2325	NI 12	V-2579	MZT 8	V-4168B	GM 30, 35, 47, 48, 53, GMT 20
V-2326	NI 20	V-2580	NI 23, NIT 9	V-4197	SB 2
V-2330	NI 29, 32, NIT 11	V-2581X	NI 23, NIT 9	V-4198X	NI 30, 31
V-2331	CHR 11, DT 2, MI 6-8, MIT 1	V-2584X	TO 24	V-4231	GM 88, 104, MER 2, OMC 2
V-2334X	GM 1, 2, SZ 1-4, SZT 2	V-2586	TOT 12	V-4341	GM 1, 2
V-2336	GM 4, IS 1	V-2587X	TOT 12	V-4342	GM 1
V-2337	GM 4, 5, IS 1, 2	V-2590	FO 2, MZ 5	V-4342B	GM 1
V-2344	MZ 11, 13, MZT 4, 5	V-2592	FO 2, MZ 5	V-4345	GMT 24
V-2345	MZ 11, 13, MZT 4, 5	V-2594X	NI 13	V-4345B 15	GMT 24
V-2357	TO 17	V-2596	NI 13	V-4352	GM 9
V-2365	FOT 31	V-2599	GM 10	V-4353	GM 9
V-2365B 15	FOT 31	V-2606	FOT 22	V-4354	GM 8, IS 3, 5
V-2366X	HO 15, 17, 19	V-2606B	FOT 22	V-4355	FO 11, MZ 15
V-2368X	HO 6	V-2607	FO 1	V-4360	MZ 6, 7
V-2369	HO 6, 8	V-2608	FO 1	V-4361	MZ 6, 7
V-2427	CHR 14, 18, DT 3, 6	V-2610	GM 21	V-4364	MZ 9
V-2427B	CHR 14, 18, DT 3, 6	V-2611	GM 21	V-4366	MZ 9
V-2428	CHR 14, 18, DT 3, 6	V-2612	GM 21	V-4367	SB 10, 11
V-2429	FO 44	V-2612B	GM 21	V-4368	SB 10, 11
V-2430	FO 44	V-2613	GM 21	V-4371X	FOT 47
V-2430B 15	FO 44	V-2613B	GM 21	V-4371XB 15	FOT 47
V-2431	GM 29, 31, 32	V-2614	FO 10, MZ 14, 15	V-4379X	GM 8, IS 3, 5
		V-2615	IS 9, IST 5	V-4384	DT 26, GMT 24

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
V-4385	DT 26	WE-251K	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, 45, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2	WE-381K	AMC 4, GM 26, JEE 6, MER 2, OMC 2
V-4491X	GMT 49			WE-381X	AMC 4, GM 26, JEE 6, MER 2, OMC 2
V-4501	TO 30			WE-384K	AMC 4, GM 26, GMT 8, JEE 6
V-4502	TO 30			WE-387KC	CHR 6
V-4504X	FO 23			WE-387X	CHR 6
V-4520X	AUD 7, 15, VW 12, 17	WE-251KC	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2	WE-393KC	TOT 17
V-4551X	FOT 24, 33, 37			WE-393X	TOT 17
V-4616	VW 13, 16			WE-401X	NI 26
V-4619X	VW 16			WE-402KC	HO 14
V-4661	BMW 6	WE-251X	AMC 15, 17, CHM 15, CHR 51, 54, DT 27, FO 42, 44, 49-51, 57, FOT 29, 33, 36, 37, 42, GM 69, 71, 77, 80, 88, 93, 98, 101, GMT 40, 44, 45, JEE 16, MER 9, 11-13, OMC 8, 10, 11, VOM 2	WE-402X	HO 14
V-4662	BMW 6			WE-404K	CHM 16, IH 24
V-801	JEE 9			WE-405K 30	FO 5
V-954	JEE 9			WE-408K 30	GM 53
V-957	GM 42, GMT 16			WE-408X	GM 53
V-958	GM 42, 49, GMT 16			WE-409KC	FOT 2, MZ 10, MZT 3
V-959	JEE 9	WE-253K 30	CHR 49, GM 95, 97	WE-410K .75MM	FO 3
V-967	FO 34, 38, FOT 19, 25	WE-253X 30	CHR 49, GM 95, 97	WE-411K	GM 29, GMT 12, JEE 7
WE-103X	GM 42, GMT 16	WE-257X 30	GM 117	WE-411X	GM 29, GMT 12, JEE 7
WE-104KC	JEE 2, 3	WE-261K	FO 62, FOT 44	WE-413X	FO 37, FOT 24
WE-104X	JEE 2, 3	WE-270K	IH 19, 21, 22	WE-414K	GM 44, GMT 18, MER 4
WE-108X	CHM 4, 6, CHR 26, 28, DT 13, 17	WE-270X	IH 19, 21, 22	WE-414X	GM 44, GMT 18, MER 4
WE-156X	FO 29, FOT 15	WE-273K	CHM 16, IH 24	WE-415K	FO 31, FOT 17
WE-175X	FO 40, 45	WE-286K 30	CHM 14, CHR 47	WE-415X	FO 31, FOT 17
WE-178K	CHM 12, CHR 39, 43, DT 24	WE-286X 30	CHM 14, CHR 47, GM 103	WE-416KC	TO 23, TOT 8
WE-178X	CHM 12, CHR 39, 43, DT 24	WE-287X	CHR 56, GM 106, 107, 118	WE-416X	TO 23, TOT 8
WE-180K	FO 53, 56, 59, FOT 39, 41	WE-288K	FO 46, GM 74, 86, JEE 17	WE-418K	CHR 14, DT 3
WE-180X	FO 53, 56, 59, FOT 39, 41	WE-288X	FO 46, GM 74, 86, JEE 17	WE-424K	CHM 21, CHR 58, DT 31
WE-196K	CHM 5, CHR 22, 24, 27, DT 9, 11, 15	WE-289K 30	GM 110, 114, 122	WE-424K 30	GMT 54
WE-196X	CHM 5, CHR 22, 24, 27, DT 9, 11, 15	WE-289X	GM 110, 114, 122	WE-424X	CHM 21, CHR 58, DT 31
WE-197K	FO 15, 19, FOT 7, 8, GM 35, 37, GMT 15	WE-290K 30	GM 123, 124	WE-425KC	CHR 20, DT 8, MI 12, MIT 4
		WE-290X	GM 123, 124	WE-426KC	NI 6, 7
WE-197X	FO 15, 19, FOT 7, 8, GM 35, 37, GMT 15	WE-296K	FO 63, 65, FOT 45, 47	WE-427K	GM 11
WE-217K	GMT 34	WE-296X	FO 63, 65, FOT 45, 47	WE-428K .75MM	GM 16, GMT 4
WE-217X	GMT 34	WE-297K	GM 91	WE-429K	GM 16
WE-219K	FO 24, 36, FOT 12, 23	WE-297X	GM 91	WE-429X	GM 16
WE-219X	FO 24, 36, FOT 12, 23	WE-299K	GM 105, 116	WE-432K	GM 29, GMT 12, IST 7, JEE 7
WE-222K	AMC 8, 9, 11, GM 41, 43, IH 9, 14, JEE 8, 12, 14, OMC 3	WE-299X	GM 105, 116	WE-432X	GM 29, GMT 12, IST 7, JEE 7
		WE-300K	GM 121	WE-434K	GM 48
WE-222X	AMC 8, 9, 11, GM 41, 43, IH 9, 14, JEE 8, 12, 14, OMC 3	WE-300X	GM 121	WE-435KC	SB 5-8, SBT 2
		WE-301K	AMC 16, 18, JEE 18	WE-436KC	TO 9, 10
WE-229K	FO 35, FOT 20, 31, GM 58	WE-301X	AMC 16, 18, JEE 18	WE-436X	TO 9, 10
WE-229X	FO 35, FOT 20, 31	WE-302K 30	AMC 19, 20, IH 26, JEE 19	WE-437KC	TO 15, 21, TOT 3, 6
WE-232K	GM 100, 111, GMT 50	WE-302X 30	AMC 19, 20, IH 26, JEE 19	WE-437X	TO 15, 21, TOT 3, 6
WE-232X	GM 100, 111, GMT 50	WE-307K	VW 6, VWT 5	WE-438KC	HO 5-8
WE-233K	CHM 17, 20, CHR 53, 57, DT 29, GM 115, 119, GMT 54, MER 14, 15	WE-307X	VW 6, VWT 5	WE-439KC	CHR 20, 21, DT 8, MI 12, MIT 4, MZT 7
		WE-315K	FO 8		
WE-233X	CHM 17, 20, CHR 53, 57, DT 29, GM 115, 119, GMT 54, MER 14, 15	WE-318K 30	CHM 18, CHR 55, DT 30	WE-441K	FO 13
		WE-318X	CHM 18, CHR 55, DT 30	WE-442KC	FO 12, FOT 5
WE-234K	GM 45, 46, 51, 52, GMT 19, 26, JEE 13, MER 5, 6, OMC 4	WE-350KC	FOT 1, MZ 4, MZT 1, 2	WE-444K	GM 50
		WE-350X	FOT 1, MZ 4, MZT 1, 2	WE-446K	FO 22, FOT 11
WE-234X	GM 45, 46, 51, 52, GMT 19, 26, JEE 13, MER 5, 6, OMC 4	WE-351KC	FO 20, FOT 9	WE-446X	FO 22, FOT 11
		WE-351X	FO 20, FOT 9	WE-447K	FOT 43
WE-236K	AMC 10, FO 27, GM 39, 40, 54, 64, GMT 30, ROV 2	WE-352K	FO 12, FOT 5	WE-448KC	GM 12, 13
		WE-352X	FO 12, FOT 5	WE-450K	AMC 3, CHR 17, GM 27, GMT 9, JEE 5, MER 1, OMC 1
WE-236X	AMC 10, FO 27, GM 39, 40, 54, 64, GMT 30, ROV 2	WE-356K	GM 73, GMT 36, MER 10, VOM 1		
		WE-356X	GM 73, GMT 36, MER 10, SB 1, VOM 1	WE-452KC	CHR 11, DT 2, MI 8, MIT 1
WE-237KC	FO 26, FOT 13, GM 49, GMT 21	WE-357KC	CHR 10, DT 1, GMT 2, IS 6, IST 1, OP 3	WE-453K	CHR 15, 16, 19, DT 7
WE-237X	FO 26, FOT 13, GM 49, GMT 21			WE-454K	CHR 14, 18, DT 3, 6
WE-239X	CHM 10, 11, CHR 34-36, 38, 42, DT 22, 23, GM 61	WE-357X	CHR 10, DT 1, GMT 2, IS 6, IST 1, OP 3	WE-455KC	CHR 11, DT 2, MI 8, MIT 1, NI 19, NIT 5
WE-240K	AMC 12-14, CHR 37, FO 43, FOT 30, GM 63, 67, 68, 72, 83, GMT 29, 33, JEE 15, OMC 7	WE-358K	GM 11	WE-455X	CHR 11, DT 2, MI 8, MIT 1, NI 19, NIT 5
		WE-359KC	GM 3, SB 3		
WE-240X	AMC 12-14, CHR 37, FO 43, FOT 30, GM 63, 67, 68, 72, 83, GMT 29, 33, JEE 15, OMC 7	WE-359X .75MM	GM 3, SB 3	WE-456KC	GM 6, TO 6-8
		WE-360KC	NI 15, 18, NIT 3, 4, SB 4, TO 9	WE-458K	FO 44, FOT 33
WE-243K	CHR 52, GM 85, 92, 99, 104, 108, 113, 120, GMT 43, 51, 52	WE-360X	NI 15, 18, NIT 3, 4, SB 4, TO 9	WE-459K	GM 58, GMT 28, MER 7
		WE-362KC	NI 3, TO 1-3	WE-465K	FO 14, 17
WE-243X	CHR 52, GM 85, 92, 99, 104, 108, 113, 120, GMT 43, 51, 52	WE-362X	NI 3, TO 1-3	WE-468K	GMT 49
		WE-364KC	TO 15, 21, TOT 3, 6	WE-469KC	FO 7
WE-245K	GM 66, 75, 78, 87, GMT 32, 38, MER 8, OMC 6, 9, ST 6	WE-364X	TO 15, 21, TOT 3, 6	WE-470KC	FO 7
		WE-365KC	NI 6	WE-471K	FO 31, 32
WE-245X	GM 66, 75, 78, 87, GMT 32, 38, MER 8, OMC 6, 9, ST 6	WE-365X	NI 6	WE-473KC	NI 8, 12
		WE-366X	NI 10, NIT 2	WE-473X	NI 8, 12
WE-247X	FO 34, 38, FOT 19, 25, GM 60	WE-369K	GM 30, 47, GMT 20	WE-474KC	NI 20
WE-248K	FO 47, 52, 54, FOT 35, 38, GM 96	WE-369X	GM 30, 47, GMT 20	WE-475KC	IS 8, IST 2, NI 22, NIT 7
WE-248X	FO 47, 52, 54, FOT 35, 38, GM 96	WE-370KC	CHR 1, HO 5, 8, 13	WE-476K	FOT 3
WE-250X	GM 33, GMT 14, ST 2	WE-370X	CHR 1, HO 5, 8, 13	WE-477K	GM 16
		WE-377K	GM 69, 88, GMT 44	WE-478K	GM 29, GMT 12, JEE 7
		WE-377X	GM 69, 88, GMT 44	WE-478X	GM 29, GMT 12, JEE 7
		WE-378K	GM 109	WE-481K	FO 21, FOT 10
		WE-378X	GM 109		
		WE-380X	GM 112		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
WE-481X	FO 21, FOT 10	WH423NP	GM 88, GMT 44, MER 12	WL-2329F 30	CHR 43, DT 24
WE-483K	GMT 3	WH435P	FO 12, FOT 5	WL-2346F 30	GM 102
WE-484K	GMT 3	WH471CP 30	GM 53	WL-2349F	GM 119
WE-486KC	CHR 6, 7, MI 4, MZ 2	WH491P	FOT 3	WL-2352F 30	GM 104
WE-487KC	MZ 3	WH497P	FO 22, FOT 11	WL-2353F 30	GM 122
WE-488KC	NI 26, 27	WH518CP	GM 119, GMT 54	WL-2354F 30*	GM 108
WE-489KC	TO 4	WH519P	FOT 31	WL-2355F	CHM 21, CHR 58
WE-489X	TO 4	WH521ACP	GM 48	WL-2359F	GM 121
WE-491KC	NI 24, TO 27-29	WH521AP	GM 48	WL-2366F	FO 63
WE-493KC	AUD 2, 3, VW 4, 7, VWT 3, 6	WH523CP	FO 31	WL-2377F	GM 119, GMT 54, MER 15
WE-494KC	AUD 6, VW 12, 14	WH523P	FO 31	WL-2379F	FO 49
WE-509K	FOT 46, IH 27	WH529P	FO 7	WL-2380F 30	AMC 20
WE-510KC	MZT 8, TO 23, TOT 8, 9	WH534CP	GM 73	WL-2383F 30	GM 108, GMT 51, 52
WE-510K 1.00MM	MZT 8, TO 23, TOT 8, 9	WH537P	FO 12, FOT 5	WL-2385F 30	CHM 14, CHR 47
WE-511KC	TO 5	WH547CP	AMC 4, GM 26, GMT 8, JEE 6	WL-2386F 30	DT 27
WE-512KC	HO 7	WH547P	AMC 4, GM 26, GMT 8, JEE 6	WL-2390F 30	GM 120
WE-515KC	GMT 1, HO 9, 11, 12, SZT 3	WH553CP	AMC 4, GM 26, JEE 6	WL-2399F	GM 119, MER 15
WE-516KC	CHR 2, MI 1	WH558P	GM 47	WL-2403NF	GM 88, GMT 44, MER 12
WE-516X	CHR 2, MI 1	WH559P	FO 13	WL-2404F	FO 65, FOT 47
WE-517KC	GM 7, HO 18, 19, TO 8	WH561CP	GM 31	WL-2446F	FO 51, FOT 37, OMC 11
WE-518KC	NI 16, 17	WH561P	GM 31	WL-2453F	MER 15
WE-519KC	IS 6, IST 1, TO 17	WH562CP	GM 31, GMT 13	WL-2455F .75MM	FO 12, 13, FOT 5
WE-520KC	NI 20	WH564P	GM 38	WL-2481F	GM 48
WE-522KC	CHR 12, 13, MI 9, 10	WH566P	GM 21	WL-2482F	FO 42, 44, FOT 29, 33
WE-523KC	TO 18, TOT 4	WH570P	FOT 22	WL-2486F	GM 73
WE-524KC	DT 5, MI 11, MIT 3	WH579P	CHR 19, DT 7	WL-2488F	FO 44
WE-525KC	NIT 11	WH580P	OMC 10	WR-9904	GM 115
WE-526KC	HO 17	WH581CP	GM 119	W1003P	FO 34, FOT 19
WE-527KC	HO 4, SZ 4	WH582CP	FOT 47	W1009P	GM 49
WE-528KC	CHR 23, DT 10, MI 13, MIT 5	WH582P	FOT 47	W1011P	FO 29, FOT 15
WE-529K	CHR 25, DT 12	WH586P	GMT 1	W1012P	GM 42
WE-530K	GM 88	WH587CP	GMT 49	W1014P 30	FO 38, FOT 25
WE-531K	GM 20	WH587P	GMT 49	W1021P 30	FOT 28
WE-531X	GM 20	WH597CP	GM 88	W1022P	FO 43, FOT 30
WE-532K	GM 47	WH605P	DT 8, MIT 4, MZT 7	W1031P	FO 45
WE-533K	GM 38	WH606P	FO 44	W-10359KX	NIT 13
WE-534K	GM 65	WH618CP	GM 88, GMT 44	W1061P 30	CHR 43, DT 24
WE-535K	GM 21	WH645NCP	GM 58, GMT 28	W1079P	AMC 14, JEE 15
WE-536K	DT 19	WH651CP	FOT 46, IH 27	W1108NP 30*	GM 27, GMT 9, MER 1, OMC 1
WE-539KC	GM 17, 18	WH653P	FO 51, FOT 37	W1109P*	FO 35, FOT 20
WE-540KC	GM 7, TO 8	WH654P	FO 44, FOT 33	W1110P	GM 43, JEE 8, OMC 3
WE-541KC	CHR 9, MI 5-7	WH661CP	GM 119, GMT 54, MER 15	W1114P 30*	GM 69
WE-542KC	FO 10, 11, MZ 11, 13-15, MZT 4, 5	WH675CP	FO 32	W12111P	TOT 15
WE-544KC	GM 10	WH693CP	GM 119	W12139P	TOT 17
WE-546KC	GM 4, IS 1	WH695P	GMT 28	W12182P 1.00MM	NI 7
WE-547KC	GM 8, 9, IS 3, 4	WH728P	GMT 28	W12217P .50MM	TOT 17
WE-549KC	GM 1, 2, SZ 1	WH729CP	FOT 43	W12306P	MZ 11, MZT 4
WE-550KC	GM 1	WH801CP	GM 74	W12326P	TO 23, TOT 8
WE-551KC	FO 2, MZ 5, 6	WH824CP 30*	GM 58	W12764P	GM 7, TO 8
WE-552KC	FO 1	WH834CP	CHR 23, DT 10, MI 13, MIT 5	W12886CP	TOT 8
WE-554KC	HO 15	WH896CP	MER 2, OMC 2	W12886P+	TOT 8
WE-556KC	HO 21	WH897CP	MER 2, OMC 2	W12895P	TO 5
WE-558KC	NI 29-32	WH909CP	GMT 34	W12902P	TO 8
WE-559KC	NI 23, NIT 9	WH909P	GMT 34	W13013P	NIT 8
WE-560KC	NIT 8	WH951P 30	GMT 40, MER 11	W13502P	HO 17
WE-561KC	NI 13	WH996CP	IH 24	W13503P	NIT 9
WE-562KC	TOT 12	WH997CP	IH 19, 21	W13507P	CHR 12, MI 9
WE-563KC	TO 24	WL-2163F 30	GM 66, GMT 32, MER 8, OMC 6, ST 6	W13508P	IST 6
WE-585KC	BMW 3, 5, 10	WL-2165F	GM 80	W145P	FO 25
WE-596KC	DT 4, MIT 2	WL-2166NF	GM 80	W233P	GM 63
WE-599KC	NIT 8	WL-2206F	GM 28, GMT 11	W235NP*	GM 66, GMT 32, MER 8, OMC 6, ST 6
WE-605K	GM 31, 32, GMT 13	WL-2209F 30	GM 115	W235P+	GM 66, GMT 32, MER 8, OMC 6, ST 6
WE-605X	GM 31, GMT 13	WL-2240NF	GM 100, GMT 50	W238P 30	CHR 56
WE-611KC	TOT 7	WL-2242F 30	GM 100	W244NP	CHM 5, CHR 22, 24, 27, DT 9, 11, 15
WE-612KC	FOT 2, MZ 10, MZT 3	WL-2256F	GM 88, GMT 44, MER 12, VOM 2	W246NP	FO 52, FOT 38
WE-613K	FOT 22	WL-2262F	GM 105	W272AP	FO 42, 44, FOT 29, 33, MER 9, OMC 8
WE-615KC	MZ 8, 9	WL-2266F	CHR 58	W273AP	FO 42, 44, FOT 29, 33
WE-616KC	IS 10, IST 5	WL-2267F 30	GM 117	W275NP	FO 24, 36, FOT 12, 23
WE-617K 1.00MM	IST 6	WL-2268F	GM 115	W279P	GM 68, 83, OMC 7
WE-618KC	MZ 16, 17, MZT 9	WL-2269F 30	GM 97	W285NCP 30	CHM 12, CHR 43, DT 24
WE-619KC	MI 1	WL-2291F	FO 56	W285NP	CHM 12, CHR 43, DT 24
WE-628K	GMT 28	WL-2300F	GM 115	W287P 30	GM 79
WE-765KC	TOT 10, 11	WL-2303NF	FO 62	W288P	GM 34, 97
WE-882KC .50MM	SB 10	WL-2304F	GM 88, GMT 44	W295AP+	GM 75, GMT 38, OMC 9
WH1117CP*	IH 2	WL-2305F	FO 42, 44, FOT 29, 33, MER 9, OMC 8	W295P*	GM 75, GMT 38, OMC 9
WH273CP	FO 42, 44	WL-2315F 30	CHR 53	W302NP	FO 19, FOT 8
WH304P	FO 56	WL-2316F 20	CHR 47	W310NP*	GM 80
WH345NCP	GM 88, MER 12, VOM 2	WL-2320F	GM 91	W310P+	GM 80
WH345NP	GM 88, MER 12, VOM 2	WL-2321F 30	GM 91	W311P	GM 33, GMT 14, ST 2
WH395P	FOT 39	WL-2323F	GM 120	W32NP	CHM 7-9, CHR 29, 31, 33, DT 18, 20
WH418CP	FO 65, FOT 47	WL-2328F 30	GM 108		
WH418P	FO 65, FOT 47				
WH423NCP	GM 88, GMT 44				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
W322NP 30	CHR 35, DT 22	W536NP	GM 73, GMT 36, MER 10	1209M	IH 8, 11, 16
W332AP	GM 91	W541P	FO 2, MZ 5	1209NP 1.00MM	TO 14, TOT 2
W336P	FO 51	W545CP .75MM	GM 29	1211M	GMT 10
W340P 30	GM 86	W545P	GM 29	12110P	TO 13, TOT 1
W344P 20	GM 120	W546P	FO 1	12111P	TOT 15
W345NP	GM 88, GMT 44, MER 12, VOM 2	W550P	GM 88	12139P	TOT 17
W350NP 30*	CHR 58	W569P	GM 20	12149P	NI 26
W350P 30+	CHR 58	W571CP	CHR 18, DT 6	12152P 1.50MM	TO 9
W351NP	GM 123	W572P	GM 65	12159P .75MM	NI 15, NIT 3
W352NP	FO 35, FOT 20, 31	W573P	GM 65	1216M	GM 94, 98, 112, 117, 123, 124
W354P	FO 62, FOT 44	W574CP	CHR 25, DT 12	12161P	HO 1
W357P 20	GM 87	W584P	GM 9	12162P	HO 2
W362NCP 30	AMC 18, JEE 18	W599P 40*	GM 51	12165P 1.50MM	MZ 1
W362NP	AMC 18, JEE 18	W609P	GM 124	1218M	IH 2, 5, 17, 19, 21, 22, 24
W366NP	CHR 53, DT 29	W611P	GM 73, GMT 36	12181P .75MM	HO 2
W368P	GM 118	W636P	MZT 5	12182P 1.00MM	NI 7
W369P	GM 120	W640P	GM 58, GMT 28, MER 7	1220M	GM 34, 62, 69, 70, 79, 87, 97, 105, 111, 116, 121
W37P	CHM 4, 6, CHR 26, 28, DT 13, 17	W645P	GM 58, GMT 28	1220RA	FO 22, FOT 11
W381NP*	FO 56, 59, FOT 41	W656P	DT 19	12200P .75MM	MZ 1
W381P+	FO 56, 59, FOT 41	W677CP	JEE 13	12204P	MZ 2
W392AP	GM 122	W677P	JEE 13	12206P	CHR 1
W397P	FO 8	W69P 30	GM 107	12207P	CHR 10, DT 1
W399P 30	GMT 45, OMC 10	W698P 30	GM 44, GMT 18, MER 4	12217P .50MM	TOT 17
W400AP	GM 104, GMT 51	W71P 20	GM 39	12220P .75MM	CHR 20, 21, DT 8, MI 12
W402P	GM 108, GMT 52	W88NP	JEE 2, 3	12221P 1.00MM	GM 1, SZ 1
W403CP 30	GM 51, GMT 26, MER 6, OMC 4	W92P	GMT 27	1223M	FO 33, 39, 41, 43, FOT 18, 28, 30
W403P	GM 51, GMT 26, MER 6, OMC 4	W933P	IH 8	1229VA	FOT 16
W405P	CHM 15, CHR 51, DT 27	W980P 20	GMT 35	12306P	MZ 11, MZT 4
W406AP	CHM 18, CHR 55, DT 30	W-997X	FO 34	12325P 1.00MM	HO 14
W409P	AMC 9, 11, IH 9, 14, JEE 12, 14	1003P	FO 34, FOT 19	12326P	TO 23, TOT 8
W411NP	GM 105	1005M	FO 28, 34, 38, FOT 14, 19, 25	1234M	GM 54, 81, 91, 101, 102, 109, 113, 120, GMT 55
W412P	GM 115	1009P	GM 49	1235M	GM 57, 64, 66, 71, 73, 75, 80, 88, 104, GMT 30, 32, 36, 38, 40, 44, 45, 51, MER 8, 10-12, OMC 6, 9, 10, ST 6, VOM 1, 2
W413AP 30*	FO 63, FOT 45	1010M	CHM 4, 6, CHR 26, 28, DT 13, 17	12393P .75MM	TOT 13
W413NP 30+	FO 63, FOT 45	1011M	CHM 7-9, CHR 29, 31, 33, DT 14, 16, 18, 20	1244M	AMC 3, 8, 9, 11, CHR 17, IH 9, 14, JEE 5, 12-14
W415CP	AMC 20, IH 26, JEE 19	1011P	FO 29, FOT 15	12490P	NI 29
W416P	FO 51, FOT 37	1012P	GM 42	1255M	GM 100, 115
W417NP 30	GM 121	1014P 30	FO 38, FOT 25	12552P	TO 11
W423NP	GM 88, GMT 44, MER 12	1020A	GM 58, GMT 28	1269M	GM 83, 106, 107, 114
W424NP*	CHR 58, DT 31	1020CP	GM 58, GMT 28, MER 7	1269V20	IH 13, 18
W424P	CHR 58, DT 31	1021P 30	FOT 28	1269Y	IH 13, 18
W425NP 30*	FO 49	1022P	FO 43, FOT 30	12738P .50MM	CHR 2, MI 1
W427P	FO 57, FOT 42	1031P	FO 45	12764P	GM 7, TO 8
W428P	CHR 47	1035CP	FO 14, 17	1281AF	NIT 12
W433NP	FO 20, FOT 9	10359KX	NIT 13	12886CP	TOT 8
W449P 30	GM 54	10590KX	IST 8, 9	12886P+	TOT 8
W450NP	GM 47, GMT 20	106L	MER 7	12895P	TO 5
W451P	FO 50, FOT 36	1061NP 30*	CHR 43, DT 24	12902P	TO 8
W454NP	GM 73, GMT 36, MER 10, VOM 1	1061P 30	CHR 43, DT 24	12958P	DT 5
W456NP*	AMC 9, 11, JEE 12, 14	1063AF	GM 1, 2, SZ 1-4, SZT 2	12963P 1.00MM	TO 27
W456P	AMC 9, 11, JEE 12, 14	1064AF	GM 4, 5, IS 1, 2	13013P	NIT 8
W457P 30	GM 26	1079P	AMC 14, JEE 15	1311MRA	FIA 5
W460P	GM 100, GMT 50	1088M	JEE 9, 10	13162P	HO 15
W463P	FO 51, FOT 37, MER 13, OMC 11	1089M	FOT 16	13165P*	HO 8
W464CP	GM 29, GMT 12, IST 7, JEE 7	1091M	IH 3, 4, 7, 10, 12, 15, JEE 2, 3	1325M	NI 2, 5, NIT 1
W464P	GM 29, GMT 12, IST 7, JEE 7	1094M	GM 42, 49, GMT 16, 17, 21, 25, 31	13502P	HO 17
W465NP	AMC 4, GM 26, JEE 6	1099AF	TO 5	13503P	NIT 9
W466NP*	GM 109	1107NP*	GM 45, GMT 19, MER 5	13507P	CHR 12, MI 9
W466P+	GM 109	1107P+	GM 45, GMT 19, MER 5	13508P	IST 6
W470AP*	AMC 11, JEE 14	1108NP*	GM 27, GMT 9, MER 1, OMC 1	13509P	GM 1
W470NP	AMC 11, JEE 14	1108P	GM 27, GMT 9, MER 1, OMC 1	1400AA	FO 7
W472NP*	GM 74	1109P	FO 35, FOT 20	1401M	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19
W472P+	GM 74	1110P	GM 43, JEE 8, OMC 3	1403M	FO 49, 50, 57, FOT 36, 42
W473P 30	GM 112	1112P 30	FO 27	1404M	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 14-16
W475NP	GM 37, GMT 15	1114P 30	GM 69	1412M	FO 8
W476P	FO 5	1133M	FO 26, 29, FOT 13, 15, 27	1414M	FO 63, 65, FOT 45, 47, MER 3
W481P	FO 31, FOT 17	1145M	GM 63, 66, 80, GMT 29, 32, MER 8, OMC 6	1415SB 10	GM 42, 49, GMT 16, 21
W489P	FO 14	1146M	GM 34, 97, 111, GMT 41	1421M	GM 39, 40, 68, 83, OMC 7, ROV 2, SM 5
W490P .50MM	FO 31	1149M	CHM 13, CHR 46, 50, 54	1422M	GM 86, 103, 118, 122, JEE 17
W495P	FO 12, FOT 5	1160M	FO 33, 41, 43, 45, FOT 18, 28, 30	1439M	FO 15, 19, 24, 36, FOT 7, 8, 12, 23
W502NP*	GM 50	1164M	GM 96, 99	1442M	FOT 1, 2, MZ 4, 10, MZT 1-3
W502P+	GM 50	1170M	GM 49, 56, GMT 21, 27	1443M	FO 12, 13, FOT 3, 5
W506P	FO 44	1177M	GM 85, 110, GMT 43	1445M	FO 47, 52, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44
W516CP .50MM	GM 29, GMT 12, JEE 7	1198M	GMT 37, 47	145P	FO 25
W516P	GM 29, GMT 12, JEE 7	12012NP	NI 2, 5, NIT 1		
W517CP	FOT 33	1202M	GM 27, GMT 9, MER 1, OMC 1		
W520P	FO 21, FOT 10	1203BF	HO 21		
W525CP	AMC 3, CHR 17, JEE 5	1203M	GM 33, 41, 45, 51, GMT 14, 19, 26, 34, MER 5, 6, OMC 4, ST 2		
W525P	AMC 3, CHR 17, JEE 5	1204M	FO 27, 37, 40, 42, 44, 51, FOT 24, 29, 33, 37, MER 9, 13, OMC 8, 11		
W526P	CHR 43, DT 24	1205M	GM 36, 43, JEE 8, OMC 3		
W527P	CHR 14, DT 3				
W531P	GM 29				
W533P	CHR 15, 18, DT 6				
W534NP	GM 73				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
1450M	FO 35, FOT 20, 31	1800CP	CHM 13, CHR 46, 50	205-105	FO 15, 19, FOT 7, 8
1451M	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	1804V	CHM 13, CHR 46, 50, 54, DT 25	205-1057	TO 4
1453M	CHM 16-21, CHR 49, 52, 53, 55-58, DT 29-31	1805M	CHR 10, 20, 21, DT 1, 4, 8, MI 12, MIT 4, MZT 7	205-1058	TO 4
1454M	CHM 2, 5, CHR 22, 24, 27, DT 9, 11, 15	1806M	CHR 6, 7, 9, MI 4, 5	205-1066	TOT 17
1459M	FO 5, 6	1807M	FO 31, FOT 17	205-108A	FO 24, FOT 12
1460A	DT 19	1809M	CHR 25, DT 12	205-108AM	FO 24
1460M	FO 12, 13, FOT 3, 5	1810M	CHR 11-13, DT 2, 5, MI 8-11, MIT 1, 3	205-108M	FO 24, FOT 12
1461M	AMC 4, GM 26, GMT 8, JEE 6, MER 2, OMC 2	1811M	GM 71, 73, 88, GMT 36, 44	205-1083	GM 30, 47, GMT 20
1462M	GM 30, 35, 47, 48, 53, GMT 20	1826AF	HO 11, 12, 18-20	205-1083M	GM 30, 47, GMT 20
1463M	GM 37, 44, 58, GMT 15, 18, 28, MER 4, 7	1828F	HO 16	205-1086	GMT 54
1466M	GM 54, 55, 74, 90, 91, 109, GMT 46, 53	1830CP	FO 26, FOT 13, 15	205-1086M	GMT 54
1467M	FOT 43, 46, IH 27	1834V	FO 33, 41, 43, 45, 48, 54, FOT 13, 15, 18, 28, 30	205-1087	FOT 31
1473M	CHM 5, CHR 27, DT 15	1834V20	FO 33, 41, 43, 45, 48, 54, FOT 13, 15, 18, 28, 30	205-1087M	FOT 31
1484M	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	1835CPA	FO 48, 54	205-109	FO 36, FOT 23
1485M	GM 15, 16, 20, GMT 4	1838M	FO 21, FOT 9, 10	205-109M	FO 36, FOT 23
1487M	CHR 14-16, 18, 19, DT 3, 6, 7	1840M	CHR 14, 18, DT 3, 6	205-1092	JEE 13
1489M	GM 59	1842M	FO 12, 13, FOT 5	205-1092M	JEE 13
1490CPA	GM 17, 18	1843M	FO 22, FOT 11	205-1093	CHR 14, 18, DT 6
1492M	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	1844M	FOT 22	205-1093M	CHR 14, 18, DT 6
1493M	FO 31, FOT 17	1858M	CHR 6, 7, 20, 21, DT 5, 8, GMT 3, IS 6, 8, 10, IST 1, 2, 5, 6, MI 4, 6, 7, 11, 12, MIT 3, 4, MZT 7	205-1095	CHR 2, MI 1
1494M	FO 14, 17	1859M	TO 21, 23, TOT 6, 8	205-1095M	CHR 14, 18, DT 6
1496M	GMT 49	1863M	FO 10, 11, MZ 11, 14, 15, MZT 4, 5	205-1097M	CHR 14, 18, DT 6
1503AF	TOT 16, 17	1865M	NI 19, 22, NIT 5, 7, 8	205-1098	DT 19
1505CAA	FO 34, 38, FOT 19, 25	1886M	FO 31, 32	205-1098M	DT 19
1525CA 10	FOT 16	1894M	CHR 25, DT 12	205-1099	DT 19
1540A	GM 21	1904V	CHM 10, CHR 28, 34, DT 17	205-1099M	DT 19
1544Y	GM 21	1905CP	GMT 25, 31	205-110	AMC 8, 9, 11, IH 9, 14, JEE 12, 14
1555CPA	GM 34, 79, 87, 97, 105, 111, 116, 121, GMT 41	1920RA	CHR 25, DT 12	205-110M	AMC 8, 9, 11, IH 9, 14, JEE 12, 14
1557M	GM 51, GMT 26, 34, MER 6, OMC 4	1950CP	GM 49, 56, GMT 21, 27	205-1100	DT 24
1559VA	GM 96, 99, GMT 41	1995CP	JEE 9, 10	205-1100M	DT 24
1564M	TO 14, TOT 2	1995CPA	JEE 9, 10	205-1102	CHR 23, DT 10
1569M	TO 13, 22, 25, TOT 1	2000CPA	FO 33, 39, 41, 43, 45, FOT 18, 28, 30	205-1102M	CHR 23, DT 10
1570M	NI 11, 21, NIT 6, 10	2020CP	GM 15, 16, 19, 20, 23, 27, 33, 41, 45, 46, 51, 52, 63, 66, 71, 80, GMT 4, 6, 9, 14, 19, 26, 29, 32, 40, MER 1, 5, 6, 8, 11, OMC 1, 4, 6, ST 2, 6	205-1103	FO 7
1575CPA	IH 8, 11, 16	205-L	GM 47	205-1103M	FO 7
1579V	IH 8, 11, 16	205-1002	FOT 33	205-1105	FO 12
1592M	NI 1, 3, 4, 6, 7	205-1002M	FOT 33	205-1105M	FO 12
1601BF	MIT 6	205-1003	FOT 47	205-1106	FO 14
1708M	TO 9, 10	205-1003M	FOT 47	205-1106M	FO 14
1713M	VW 1, 5, 6, VWT 1, 4, 5	205-1007	GM 26, GMT 8	205-1107	FO 14
1726M	AUD 1-6, CHR 8, VW 2-4, 7-9, 11-13, VWT 3, 6, 7, 9	205-1007M	GM 26, GMT 8	205-1107M	FO 14
1729M	TO 13, 15, TOT 1, 3	205-1008	GM 26	205-1108	FO 17
1731M	FO 5, 8	205-1008M	GM 26	205-1108M	FO 17
1734M	NI 2, 5, NIT 1	205-1009	GM 27, GMT 9	205-1110	FO 22
1735M	TOT 15, 17	205-1009M	GM 27, GMT 9	205-1110M	FO 22
1736AF	CHR 23, DT 10, MI 13, MIT 5	205-101	FO 56, 59, FOT 39, 41	205-1111	FO 31
1746M	GMT 5, IST 3, 4, JEE 4	205-101M	FO 56, 59, FOT 39, 41	205-1111M	FO 31
1749M	GM 57, 64, 66, 71, 73, 75, 80, 88, 104, GMT 30, 32, 36, 38, 40, 44, 45, 51, MER 8, 10-12, OMC 6, 10, VOM 1, 2	205-1010	GM 27	205-1112	FO 31
1750M	GM 57, 64, 66, 71, 73, 75, 80, 88, GMT 30, 32, 36, 38, 40, 44, 45, MER 8, 10-12, OMC 6, 10, VOM 1, 2	205-1010M	GM 27	205-1112M	FO 31
1755M	GM 30, 38, 47, 48	205-1015	GM 30, 47	205-1113C	FO 31
1756M	GM 26	205-1015M	GM 30, 47	205-1113M	FO 31
1757M	GM 50, 65	205-1016	GM 35	205-1114	FO 31
1758M	TOT 13, 14	205-1019	GM 58, GMT 28	205-1115	FO 44
1771M	TOT 4, 7	205-1019M	GM 58, GMT 28	205-1115M	FO 44
1774M	TOT 5, 10, 11	205-102	CHR 22, 24, 27, DT 9, 11, 15	205-1116	FO 51, FOT 37
1781M	FOT 31	205-102M	CHR 22, 24, 27, DT 9, 11, 15	205-1116M	FO 51, FOT 37
1782M	GM 47, 48	205-1020	GM 58, GMT 28	205-1118	FOT 5
1783M	TOT 16, 17	205-1020M	GM 58, GMT 28	205-1118M	FOT 5
1785CP	ST 3-5, 7, STT 2-4	205-1021	GM 58, GMT 28	205-1119	FOT 5
1785M	GM 29, GMT 12, IST 7, JEE 7	205-1021M	GM 58, GMT 28	205-1119M	FOT 5
1786M	GM 15, 16, 20, GMT 4	205-1024	GM 73, GMT 36	205-112	FO 35, FOT 20, 31
1787M	GM 54, 55, 74, 90, 91, 109, GMT 46, 53	205-1026	GM 73, GMT 36	205-112M	FO 35, FOT 20, 31
1789M	GM 54, 81, 91, 109	205-1026M	GM 73, GMT 36	205-1120	FOT 11
1790M	DT 19	205-1027	GM 73	205-1120M	FOT 11
1791M	GM 37, 44, 58, GMT 15, 18, 28, MER 4, 7	205-1027M	GM 73	205-1121	FOT 33
1792M SEMI	CHR 14, 16, 18, 19, DT 6, 7	205-103	CHR 27, DT 15	205-1121M	FOT 33
1794M	TO 9, 10	205-103M	CHR 27, DT 15	205-1123	FOT 47
		205-1036	GMT 34	205-1123M	FOT 47
		205-1036M	GMT 34	205-1124	FOT 47
		205-1037	GM 88, GMT 44	205-1124M	FOT 47
		205-1037M	GM 88, GMT 44	205-113	GM 115, 119, GMT 54
		205-1038	GM 88, GMT 44	205-113M	GM 115, 119, GMT 54
		205-1038M	GM 88, GMT 44	205-1130	GM 17
		205-104	CHR 27, DT 15	205-1130M	GM 17
		205-104M	CHR 27, DT 15	205-1131	GM 20
		205-1049	NI 8, 12	205-1131M	GM 20
				205-1132	GM 21
				205-1132M	GM 21
				205-1134	GM 26
				205-1134M	GM 26
				205-1135	GM 26
				205-1135M	GM 26

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
205-1136	GM 26	205-1299	JEE 7	205-1878	IS 10, IST 5
205-1136M	GM 26	205-130	GM 71, 80, 88, GMT 40, 44, 45	205-1878M	IS 10, IST 5
205-1138	GM 30, 47	205-130M	GM 71, 80, 88, GMT 40, 44, 45	205-1882	DT 10, MI 13, MIT 5
205-1138M	GM 30	205-1300	GM 31	205-1882M	DT 10, MI 13, MIT 5
205-114	GM 45, 51, GMT 19, 26	205-1300M	GM 31	205-191	GM 47
205-114M	GM 45, 51, GMT 19, 26	205-1308	GM 74	205-191M	GM 47
205-1141	GM 47	205-1308M	GM 74	205-192	GM 44, GMT 18
205-1141M	GM 47	205-1309	GM 91	205-192M	GM 44, GMT 18
205-1148	GM 74	205-1309M	GM 91	205-1921	GM 47
205-1148M	GM 74	205-1310	GM 91	205-1921M	GM 47
205-1149	GM 88	205-1310M	GM 91	205-1922+	GM 47
205-1149M	GM 88	205-1318	FOT 22	205-1922M+	GM 47
205-115	GM 51, GMT 26	205-1318M	FOT 22	205-194	GM 54
205-115M	GM 51, GMT 26	205-132A	CHR 58	205-1944	FO 12
205-1151	GM 88	205-132AM	CHR 58	205-1944M	FO 12
205-1151M	GM 88	205-132M	CHR 58	205-195	GM 109
205-1153	GM 88, GMT 44	205-1320	IS 8, IST 2	205-195M	GM 109
205-1153M	GM 88, GMT 44	205-1320AM	IS 8, IST 2	205-199	GM 29, GMT 12, JEE 7
205-1155	GMT 8	205-1320M	IS 8, IST 2	205-199M	GM 29, GMT 12, JEE 7
205-1155M	GMT 8	205-1323	CHR 2	205-213	CHR 47
205-1156	GM 88, GMT 44	205-1323M	CHR 2	205-213M	CHR 47
205-1156M	GM 88, GMT 44	205-1324	CHR 2, MI 1	205-214	AMC 4, GM 26, JEE 6
205-116	GMT 26	205-1324M	CHR 2, MI 1	205-215	AMC 16, 18, JEE 18
205-116M	GMT 26	205-1325	CHR 2, MI 1	205-215M	AMC 16, 18, JEE 18
205-1167	NI 12	205-1325M	CHR 2, MI 1	205-216	AMC 11, JEE 14
205-117	AMC 13, 14, JEE 15	205-1335	DT 5, MI 11, MIT 3	205-216M	AMC 11, JEE 14
205-1177	TO 5	205-1335M	DT 5, MI 11, MIT 3	205-217A	CHR 43
205-1177M	TO 5	205-134	GM 86, JEE 17	205-217AM	CHR 43
205-1182	TO 23, TOT 8	205-134M	GM 86, JEE 17	205-217M	CHR 43
205-1182M	TO 23, TOT 8	205-1345M	FOT 33	205-218A	CHR 43, DT 24
205-1184	GM 31, GMT 13	205-1356	GM 65	205-218AM	CHR 43, DT 24
205-1184M	GM 31, GMT 13	205-1356M	GM 65	205-218M	CHR 43, DT 24
205-1186	FOT 3	205-1360	IS 6, IST 1	205-224	GM 30, 47, GMT 20
205-1186M	FOT 3	205-1360M	IS 6, IST 1	205-224M	GM 30, 47, GMT 20
205-119	GM 66, GMT 32, ST 6	205-1361	NIT 8	205-225	GM 47, GMT 20
205-119M	GM 66, GMT 32, ST 6	205-1362	NIT 8	205-225M	GMT 20
205-1205	CHR 14, 18, DT 6	205-137	FO 63, 65, FOT 45, 47	205-227A	GM 29, GMT 12, JEE 7
205-1205M	CHR 14, 18, DT 6	205-137M	FO 63, 65, FOT 45, 47	205-227AM	GMT 12, JEE 7
205-121	GM 87	205-1375	CHR 9, MI 5	205-227M	GM 29, GMT 12
205-1212	FOT 11	205-1375M	CHR 9, MI 5	205-228A	GM 29, GMT 12, JEE 7
205-1212M	FOT 11	205-140	GM 105, 116	205-228AM	GM 29, GMT 12, JEE 7
205-1215	FOT 33	205-140M	GM 105	205-228M	GM 29
205-1219	GM 26	205-1415	GM 47	205-232	GM 53
205-1219M	GM 26	205-1415M	GM 47	205-233	GM 53
205-122A	CHR 51, DT 27	205-142	CHR 55, DT 30	205-238	GM 122
205-122AM	CHR 51, DT 27	205-146	FO 12, FOT 5	205-239	GMT 26
205-122M	CHR 51, DT 27	205-146M	FO 12, FOT 5	205-239M	GMT 26
205-124	FO 49, 50, 57, FOT 36, 42	205-151	GM 69	205-243	CHR 43, DT 24
205-124AM	FO 50, 57, FOT 36, 42	205-151M	GM 69	205-243M	CHR 43, DT 24
205-124M	FO 50, 57	205-152	FO 20	205-244A	DT 24
205-125	FO 51	205-153	FO 42, 44, FOT 29, 33	205-244AM	DT 24
205-125M	FO 51	205-153M	FO 42, 44, FOT 29, 33	205-245	DT 8, MIT 4
205-1262M	FOT 10	205-155	DT 30	205-245M	DT 8, MIT 4
205-1265	GMT 34	205-156	DT 31	205-247	CHR 20, DT 8
205-1265M	GMT 34	205-156M	DT 31	205-247M	CHR 20, DT 8
205-1266	GMT 34	205-157	GM 3	205-250	DT 8, MIT 4, MZT 7
205-1266M	GMT 34	205-158	GM 88, GMT 44	205-250M	DT 8, MIT 4, MZT 7
205-1269	GM 73	205-158M	GM 88, GMT 44	205-252	FO 12, FOT 5
205-1269M	GM 73	205-160	GMT 54	205-252M	FO 12, FOT 5
205-127A	FO 51, FOT 37	205-160M	GMT 54	205-257	FO 31, FOT 17
205-127AM	FO 51, FOT 37	205-161	GM 108, GMT 52	205-257M	FO 31, FOT 17
205-127M	FO 51, FOT 37	205-161M	GM 108, GMT 52	205-258	FO 31
205-1270M	GM 73, GMT 36	205-162	GM 71, 80, GMT 40	205-258M	FO 31
205-1271	GM 73	205-162M	GM 71, 80, GMT 40	205-260	FO 44, FOT 33
205-1271M	GM 73	205-167	CHR 53, DT 29	205-260M	FO 44, FOT 33
205-1276+	GM 88	205-170	IH 19-22	205-261	FO 51, FOT 37
205-1276M+	GM 88	205-170M	IH 19-22	205-261M	FO 51, FOT 37
205-1282	GM 104, GMT 51	205-172	FO 62, FOT 44	205-263	FOT 5
205-1282M	GM 104, GMT 51	205-174	GM 113, 120	205-263M	FOT 5
205-1283	GM 75, GMT 38	205-1779E	TO 8	205-265	FOT 31
205-1283M	GM 75, GMT 38	205-1779EM	TO 8	205-265M	FOT 31
205-1285	GM 73, GMT 36	205-179	GM 121	205-268	FOT 47
205-1285M	GM 73, GMT 36	205-181	CHR 14, DT 3	205-268M	FOT 47
205-1286	GM 73, GMT 36	205-181M	CHR 14, DT 3	205-269A	GM 26, GMT 8
205-1286M	GM 73, GMT 36	205-183A	CHR 51, DT 27	205-269AM	GM 26, GMT 8
205-129	GM 69	205-183AM	CHR 51, DT 27	205-270	GM 26
205-129M	GM 69	205-185	FO 37, FOT 24	205-270M	GM 26
205-1296	GM 29, GMT 12, IST 7	205-186	GM 100, GMT 50	205-272	GM 47
205-1296M	GM 29, GMT 12, IST 7	205-186M	GM 100, GMT 50	205-273	GM 47
205-1297	GM 29	205-1861	FO 10, MZ 14	205-274A	FOT 37
205-1297M	GM 29	205-1861M	FO 10, MZ 14	205-274AM	FOT 37
205-1298	GMT 12	205-1875	IST 6	205-274M	FOT 37
205-1298M	GMT 12	205-1875M	IST 6	205-301	TO 21, TOT 6

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
205-305	TO 9	205-6026	GM 73, GMT 36	205-6118	FOT 5
205-311	NI 10, NIT 2	205-6026M	GM 73, GMT 36	205-6118M	FOT 5
205-312	NI 15, 18, NIT 3, 4	205-6027	GM 73	205-6119	FOT 5
205-329	GMT 2, IS 6, IST 1, OP 3	205-6027M	GM 73	205-6119M	FOT 5
205-330	TO 23, TOT 8	205-603	CHR 27, DT 15	205-612	FO 35, FOT 20, 31
205-343	NI 18, NIT 4	205-603M	CHR 27, DT 15	205-612M	FO 35, FOT 20, 31
205-352	TO 9, 10	205-6035	GMT 3	205-6120	FOT 11
205-353	TO 21, TOT 6	205-6036	GMT 34	205-6120M	FOT 11
205-354	TO 23, TOT 8	205-6036M	GMT 34	205-6121	FOT 33
205-354M	TO 23, TOT 8	205-6037	GM 88, GMT 44	205-6121M	FOT 33
205-358	AMC 3, JEE 5	205-6037M	GM 88, GMT 44	205-6123	FOT 47
205-358M	AMC 3, JEE 5	205-6038	GM 88, GMT 44	205-6123M	FOT 47
205-359	CHR 17, JEE 5	205-6038M	GM 88, GMT 44	205-6124	FOT 47
205-359M	CHR 17, JEE 5	205-604	CHR 27, DT 15	205-6124M	FOT 47
205-360	AMC 11, JEE 14	205-604M	CHR 27, DT 15	205-6127	GM 6, TO 7
205-360M	AMC 11, JEE 14	205-6049	NI 8, 12	205-6127M	GM 6, TO 7
205-361	CHR 1	205-605	FO 15, 19, FOT 7, 8	205-6128	GM 7
205-361M	CHR 1	205-6052	NI 22, NIT 7	205-6128M	GM 7
205-369	CHR 14, DT 3	205-6057	TO 4	205-613	GM 115, 119, GMT 54
205-369M	CHR 14, DT 3	205-6058	TO 4	205-613M	GM 115, 119, GMT 54
205-370	CHR 18, DT 6	205-606M+	GMT 34	205-6130	GM 17
205-370M	CHR 18, DT 6	205-6064	TO 27	205-6130M	GM 17
205-374	CHR 11, DT 2, MI 8, MIT 1	205-6066	TOT 17	205-6131	GM 20
205-374M	CHR 11, DT 2, MI 8, MIT 1	205-6072	AUD 6, VW 12	205-6131M	GM 20
205-375	CHR 11, DT 2, MI 8, MIT 1	205-608A	FO 24, FOT 12	205-6132	GM 21
205-375M	CHR 11, DT 2, MI 8, MIT 1	205-608AM	FO 24	205-6132M	GM 21
205-382	FO 14	205-608M	FO 24, FOT 12	205-6134	GM 26
205-382M	FO 14	205-6083	GM 30, 47, GMT 20	205-6134M	GM 26
205-383	FO 14	205-6083M	GM 30, 47, GMT 20	205-6135	GM 26
205-383M	FO 14	205-6084	GMT 49	205-6135M	GM 26
205-386	FO 31	205-6084M	GMT 49	205-6136	GM 26
205-386M	FO 31	205-6086	GMT 54	205-6136M	GM 26
205-388	FO 44	205-6086M	GMT 54	205-6138	GM 30, 47
205-388M	FO 44	205-6087	FOT 31	205-6138M	GM 30
205-390	FO 47, 52, FOT 35, 38	205-6087M	FOT 31	205-614	GM 45, 51, GMT 19, 26
205-391	FOT 3	205-609	FO 36, FOT 23	205-614M	GM 45, 51, GMT 19, 26
205-391M	FOT 3	205-609M	FO 36, FOT 23	205-6140	GM 38
205-396	FOT 5	205-6091	FOT 46, IH 27	205-6140M	GM 38
205-396M	FOT 5	205-6091M	FOT 46, IH 27	205-6141	GM 47
205-397	FOT 9	205-6092	JEE 13	205-6141M	GM 47
205-397M	FOT 9	205-6092M	JEE 13	205-6142	GM 50
205-398	FO 21, FOT 10	205-6093	CHR 14, 18, DT 6	205-6142M	GM 50
205-398M	FO 21, FOT 10	205-6093M	CHR 14, 18, DT 6	205-6144	GM 50
2056BF	BL 9, NI 2, 5, NIT 1	205-6094	CHR 15, 19, DT 7	205-6144M	GM 50
205-6002	FOT 33	205-6094M	CHR 15, 19, DT 7	205-6146	GM 65
205-6002M	FOT 33	205-6095	CHR 2, MI 1	205-6146M	GM 65
205-6003	FOT 47	205-6095M	CHR 2, MI 1	205-6147M	GM 65
205-6003M	FOT 47	205-6097	CHR 14, 18, DT 6	205-6148	GM 74
205-6004	FOT 43	205-6097M	CHR 14, 18, DT 6	205-6148M	GM 74
205-6004M	FOT 43	205-6098	DT 19	205-6149	GM 88
205-6006	GM 16	205-6098M	DT 19	205-6149M	GM 88
205-6006M	GM 16	205-6099	DT 19	205-615	GM 51, GMT 26
205-6007	GM 26, GMT 8	205-6099M	DT 19	205-615M	GM 51, GMT 26
205-6007M	GM 26, GMT 8	205-610	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	205-6151	GM 88
205-6008	GM 26	205-610M	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	205-6151M	GM 88
205-6008M	GM 26	205-6100	DT 24	205-6152	GM 88
205-6009	GM 27, GMT 9	205-6100M	DT 24	205-6152M	GM 88
205-6009M	GM 27, GMT 9	205-6102	CHR 23, DT 10	205-6153	GM 88, GMT 44
205-601	FO 56, 59, FOT 39, 41	205-6102M	CHR 23, DT 10	205-6153M	GM 88, GMT 44
205-601M	FO 56, 59, FOT 39, 41	205-6103	FO 7	205-6155	GMT 8
205-6010	GM 27	205-6103M	FO 7	205-6155M	GMT 8
205-6010M	GM 27	205-6105	FO 12	205-6156	GM 88, GMT 44
205-6015	GM 30, 47	205-6105M	FO 12	205-6156M	GM 88, GMT 44
205-6015M	GM 30, 47	205-6106	FO 14	205-6157	HO 6, 7
205-6016	GM 35	205-6106M	FO 14	205-6157M	HO 6
205-6017	GM 48	205-6107	FO 14	205-6158	HO 7
205-6017M	GM 48	205-6107M	FO 14	205-6158M	HO 7
205-6018	GM 48	205-6108	FO 17	205-616	GMT 26
205-6018M	GM 48	205-6108M	FO 17	205-616M	GMT 26
205-6019	GM 58, GMT 28	205-6110	FO 22	205-6160	HO 9
205-6019M	GM 58, GMT 28	205-6110M	FO 22	205-6160M	HO 9
205-602	CHR 22, 24, 27, DT 9, 11, 15	205-6111	FO 31	205-6161	HO 15
205-602M	CHR 22, 24, 27, DT 9, 11, 15	205-6111M	FO 31	205-6161M	HO 15
205-6020	GM 58, GMT 28	205-6112	FO 31	205-6163	HO 17
205-6020M	GM 58, GMT 28	205-6112M	FO 31	205-6163M	HO 17
205-6021	GM 58, GMT 28	205-6113	FO 31	205-6167	NI 12
205-6021M	GM 58, GMT 28	205-6113M	FO 31	205-617	AMC 13, 14, JEE 15
205-6023	GM 73	205-6114	FO 31	205-6173	NI 29, 32
205-6023M	GM 73	205-6114M	FO 31	205-6176	NIT 11
205-6024	GM 73, GMT 36	205-6115	FO 44	205-6176M	NIT 11
205-6024M	GM 73, GMT 36	205-6115M	FO 44	205-6177	TO 5
205-6025	GM 73	205-6116	FO 51, FOT 37	205-6177M	TO 5
205-6025M	GM 73	205-6116M	FO 51, FOT 37	205-6178	TO 6

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
205-6179	TO 6	205-6323M	CHR 2	205-6779EM	TO 8
205-6180	TO 6	205-6324	CHR 2, MI 1	205-6784	NI 29
205-6180M	TO 6	205-6324M	CHR 2, MI 1	205-6784M	NI 29
205-6181	TO 18	205-6325	CHR 2, MI 1	205-6785	NIT 11
205-6182	TO 23, TOT 8, 9	205-6325M	CHR 2, MI 1	205-6785M	NIT 11
205-6182M	TO 23, TOT 8, 9	205-6328	CHR 12, 13, MI 9, 10	205-679	GM 121
205-6184	GM 31, GMT 13	205-6328M	CHR 12, 13, MI 9, 10	205-681	CHR 14, DT 3
205-6184M	GM 31, GMT 13	205-6335	DT 5, MI 11, MIT 3	205-681M	CHR 14, DT 3
205-6185	TO 27	205-6335M	DT 5, MI 11, MIT 3	205-6812	GMT 1, SZT 3
205-6186	FOT 3	205-6339	FO 32	205-6812M	GMT 1, SZT 3
205-6186M	FOT 3	205-6339M	FO 32	205-683A	CHR 51, DT 27
205-6187	DT 26	205-634	GM 86, JEE 17	205-683AM	CHR 51, DT 27
205-6187M	DT 26	205-634M	GM 86, JEE 17	205-6858	MZ 9
205-619	GM 66, GMT 32, ST 6	205-6345M	FOT 33	205-6858M	MZ 9
205-619M	GM 66, GMT 32, ST 6	205-6346	GM 1	205-686	GM 100, GMT 50
205-6205	CHR 14, 18, DT 6	205-6346M	GM 1	205-686M	GM 100, GMT 50
205-6205M	CHR 14, 18, DT 6	205-6347	GM 1, SZ 1	205-6861	FO 10, 11, MZ 14, 15
205-6206A	CHR 25, DT 12	205-6347M	GM 1, SZ 1	205-6861M	FO 10, 11, MZ 14, 15
205-6206AM	CHR 25, DT 12	205-6348	GM 1	205-6874	HO 16
205-621	GM 87	205-6348M	GM 1	205-6874M	HO 16
205-6212	FOT 11	205-6349	GM 1, 2	205-6875	IST 6
205-6212M	FOT 11	205-6349M	GM 1, 2	205-6875M	IST 6
205-6215	FOT 33	205-6350	GM 9, IS 4	205-6878	IS 10, IST 5
205-6216	FO 1	205-6352	GM 18	205-6878M	IS 10, IST 5
205-6216M	FO 1	205-6352M	GM 18	205-6880	MZT 5
205-6219	GM 26	205-6356	GM 65	205-6880M	MZT 5
205-6219M	GM 26	205-6356M	GM 65	205-6882	DT 10, MI 13, MIT 5
205-622A	CHR 51, DT 27	205-6361	NIT 8	205-6882M	DT 10, MI 13, MIT 5
205-622AM	CHR 51, DT 27	205-6362	NIT 8	205-6883	MZ 16, MZT 9
205-622M	CHR 51, DT 27	205-6365	TOT 12	205-6883M	MZ 16, MZT 9
205-624	FO 49, 50, 57, FOT 36, 42	205-6365M	TOT 12	205-6885	NI 23, NIT 9
205-624AM	FO 50, 57, FOT 36, 42	205-637	FO 63, 65, FOT 45, 47	205-6885M	NI 23, NIT 9
205-624M	FO 50, 57	205-637M	FO 63, 65, FOT 45, 47	205-6886	NI 23, NIT 9
205-625	FO 51	205-6375	CHR 9, MI 5	205-6886M	NI 23, NIT 9
205-625M	FO 51	205-6375M	CHR 9, MI 5	205-6890	NI 30
205-6257	GMT 49	205-640	GM 105, 116	205-6890M	NI 30
205-6257M	GMT 49	205-640M	GM 105	205-691	GM 47
205-6262M	FOT 10	205-6403	GMT 28	205-691M	GM 47
205-6265	GMT 34	205-6403M	GMT 28	205-6910	GM 10
205-6265M	GMT 34	205-6415	GM 47	205-6910M	GM 10
205-6266	GMT 34	205-6415M	GM 47	205-692	GM 44, GMT 18
205-6266M	GMT 34	205-642	CHR 55, DT 30	205-692M	GM 44, GMT 18
205-627A	FO 51, FOT 37	205-6420	HO 21	205-694	GM 54
205-627AM	FO 51, FOT 37	205-6420M	HO 21	205-695	GM 109
205-627M	FO 51, FOT 37	205-6423	HO 21	205-695M	GM 109
205-6279+	GM 88	205-6423M	HO 21	205-699	GM 29, GMT 12, JEE 7
205-6279M+	GM 88	205-6432	HO 12	205-699M	GM 29, GMT 12, JEE 7
205-6282	GM 104, GMT 51	205-6432M	HO 12	205-713	CHR 47
205-6282M	GM 104, GMT 51	205-646	FO 12, FOT 5	205-713M	CHR 47
205-6283	GM 75, GMT 38	205-646M	FO 12, FOT 5	205-714	AMC 4, GM 26, JEE 6
205-6283M	GM 75, GMT 38	205-649	GM 11	205-715	AMC 16, 18, JEE 18
205-6285	GM 73, GMT 36	205-649M	GM 11	205-715M	AMC 16, 18, JEE 18
205-6285M	GM 73, GMT 36	205-651	GM 69	205-716	AMC 11, JEE 14
205-6286	GM 73, GMT 36	205-651M	GM 69	205-716M	AMC 11, JEE 14
205-6286M	GM 73, GMT 36	205-652	FO 20	205-717A	CHR 43
205-629	GM 69	205-653	FO 42, 44, FOT 29, 33	205-717AM	CHR 43
205-629M	GM 69	205-653M	FO 42, 44, FOT 29, 33	205-717M	CHR 43
205-6296	GM 29, GMT 12, IST 7	205-655	DT 30	205-718	CHR 43, DT 24
205-6296M	GM 29, GMT 12, IST 7	205-656	DT 31	205-718AM	CHR 43, DT 24
205-6297	GM 29	205-656M	DT 31	205-718M	CHR 43, DT 24
205-6297M	GM 29	205-657	GM 3	205-720	GM 11
205-6298	GMT 12	205-658	GM 88, GMT 44	205-720M	GM 11
205-6298M	GMT 12	205-658M	GM 88, GMT 44	205-724	GM 30, 47, GMT 20
205-6299	JEE 7	205-660	GMT 54	205-724M	GM 30, 47, GMT 20
205-630	GM 71, 80, 88, GMT 40, 44, 45	205-660M	GMT 54	205-725	GM 47, GMT 20
205-630M	GM 71, 80, 88, GMT 40, 44, 45	205-661	GM 108, GMT 52	205-725M	GMT 20
205-6300	GM 31, 32	205-661M	GM 108, GMT 52	205-727A	GM 29, GMT 12, JEE 7
205-6300M	GM 31, 32	205-662	GM 71, 80, GMT 40	205-727AM	GMT 12, JEE 7
205-6308	GM 74	205-662M	GM 71, 80, GMT 40	205-727M	GM 29, GMT 12
205-6308M	GM 74	205-667	CHR 53, DT 29	205-728A	GM 29, GMT 12, JEE 7
205-6309	GM 91	205-670	IH 19-22	205-728AM	GM 29, GMT 12, JEE 7
205-6309M	GM 91	205-670M	IH 19-22	205-728M	GM 29
205-6310	GM 91	205-670A	CHR 4, MI 2	205-738	GM 122
205-6310M	GM 91	205-6704M	CHR 4, MI 2	205-739	GMT 26
205-6318	FOT 22	205-671	IH 24	205-739M	GMT 26
205-6318M	FOT 22	205-672	FO 62, FOT 44	205-743	CHR 43, DT 24
205-632A	CHR 58	205-673	IH 24	205-743M	CHR 43, DT 24
205-632AM	CHR 58	205-674	GM 113, 120	205-744A	DT 24
205-632M	CHR 58	205-675	IH 24	205-744AM	DT 24
205-6320	IS 8, IST 2	205-6750A	TO 20	205-745	DT 8, MIT 4
205-6320AM	IS 8, IST 2	205-6750AM	TO 20	205-745M	DT 8, MIT 4
205-6320M	IS 8, IST 2	205-676	IH 24	205-746	CHR 20
205-6323	CHR 2	205-6779E	TO 8	205-746M	CHR 20

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
205-747	CHR 20, DT 8	205-890	FO 47, 52, FOT 35, 38	222-B233	TO 5
205-747M	CHR 20, DT 8	205-891	FOT 3	222-B254	SB 10
205-750	DT 8, MIT 4, MZT 7	205-891M	FOT 3	222-B49624	LAD 1, 3
205-750M	DT 8, MIT 4, MZT 7	205-896	FOT 5	222-B98	TO 11, 12
205-752	FO 12, FOT 5	205-896M	FOT 5	222-D106T2	NIT 8
205-752M	FO 12, FOT 5	205-897	FOT 9	222-D130	GM 21
205-753	FO 12, FOT 5	205-897M	FOT 9	222-SR102T2	NI 23, NIT 9
205-753M	FO 12, FOT 5	205-898	FO 21, FOT 10	222-SR98T3	TO 23, TOT 8
205-754+	FO 13	205-898M	FO 21, FOT 10	222-S102T3X	MZT 8
205-754M+	FO 13	2120CP	GM 93, 98, 117	222-S92T2X	NI 13
205-757	FO 31, FOT 17	2130CP	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	222-S96T2	TO 23, TOT 8, 9
205-757M	FO 31, FOT 17	2134Y	CHM 5, 11, 12, 14, CHR 27, 35, 37, 39-41, 43, 45, 47, DT 15, 22, 24	222-100	NI 17
205-758	FO 31	2134Y20	CHM 11, 12, 14, CHR 35, 37, 39-41, 43, 45, 47, DT 22, 24	222-100CT	TO 23, TOT 8, 9
205-758M	FO 31	221-2500	GM 42, 49, GMT 16, 17, 21, 25, 27, 31	222-101	TO 27
205-760	FO 44, FOT 33	221-2514	GM 42, 49, GMT 16, 17, 21, 25, 27, 31	222-101GP	TO 23, TOT 8
205-760M	FO 44, FOT 33	221-2522	GM 27, 33, 45, GMT 9	222-104	NI 29, 30, 32, NIT 11
205-761	FO 51, FOT 37	221-2523S	GM 27, 33, 45, GMT 9	222-104BT	TO 17
205-761M	FO 51, FOT 37	221-2524	GM 27, 33, 45, 51, GMT 9, 14, 19, 26, MER 5, 6, OMC 4	222-105BT	CHR 11, DT 2, 5, MI 6-8, 11, MIT 1, 3
205-763	FOT 5	221-2525S	GM 27, 33, 45, 51, GMT 9, 14, 19, 26	222-109BT	MZ 11, 13, MZT 4
205-763M	FOT 5	221-2526	GM 51, GMT 26, 34, MER 1, 2, 6	222-11BT	FO 12, 13, FOT 3, 5
205-765	FOT 31	221-2527	GM 51, GMT 26, 34, MER 1, 2, 6, OMC 4	222-111BT	TO 17-20
205-765M	FOT 31	221-2528S	GM 51, GMT 26, 34, MER 1, 2, 6	222-112	GM 7, TO 8
205-768	FOT 47	221-2532S	MER 14	222-113	MZ 11, 13, MZT 4
205-768M	FOT 47	221-2537	AMC 4, GM 26, 27, 33, 41, 42, 45, 49, 51, GMT 8, 9, 14, 16, 19, 21, 26, 27, JEE 6, ST 2	222-114	CHR 18, DT 6
205-769A	GM 26, GMT 8	221-2540S	GM 51, GMT 26	222-114BT	FO 3, 7
205-769AM	GM 26, GMT 8	221-2541	GM 51, GMT 26	222-115	SB 7, 8
205-770	GM 26	221-2542LS	AMC 4, GM 26, GMT 8, JEE 6	222-115CT	GM 16, 20, GMT 4
205-770M	GM 26	221-2544	GM 26	222-116	SB 7, 8
205-771	GM 16	221-2544S	GM 26	222-117	MZ 11, 13, MZT 4
205-771M	GM 16	221-2701	FO 34, 38, FOT 19, 25	222-121GP	NIT 8
205-772	GM 47	221-2702	FO 34, 38, FOT 25	222-122	IS 10, IST 5
205-773	GM 47	221-2727S	FO 34, 38, FOT 19, 25	222-122GP	NIT 8
205-774A	FOT 37	221-2750A	FOT 20, 31	222-123	MZ 5
205-774AM	FOT 37	221-2750AS	FOT 20, 31	222-124	DT 5, MI 11, MIT 3
205-774M	FOT 37	221-2750L	FOT 20, 31	222-124BT	NI 29, 32, NIT 11
205-805	TO 9	221-2750LS	FOT 20, 31	222-126	TO 28, 29
205-812	NI 15, 18, NIT 3, 4	221-2760SA	FO 20, FOT 9	222-126BT	HO 4, 6, 7
205-829	GMT 2, IS 6, IST 1, OP 3	221-2764S	FOT 20, 31	222-127CT	FO 14, 17
205-830	TO 23, TOT 8	221-2766LS	FOT 31	222-128	CHR 2, MI 1
205-838	FOT 2	221-2900	JEE 2, 3	222-129	HO 22, 23
205-838M	FOT 2	221-2901	JEE 2, 3	222-129BT	CHR 14, 18, DT 6
205-843	NI 18, NIT 4	221-3336S	IH 2, 5, 17, 19, 21, 22, 24	222-13	CHR 6, FO 8
205-852	TO 9, 10	221-3342	FOT 43, 46, IH 27	222-130	HO 11
205-854	TO 23, TOT 8	221-3342S	FOT 43, 46, IH 27	222-131	BMW 6, 7
205-854M	TO 23, TOT 8	221-4704	FO 34, FOT 19	222-132	CHR 18, DT 6
205-856	MZ 10, MZT 3	221-4706	FO 34, FOT 19	222-132GP	TO 23, TOT 8, 9
205-856M	MZ 10, MZT 3	222-B127	AUD 10-15, VW 17, 18	222-133GP	TO 23, TOT 8, 9
205-858	AMC 3, JEE 5	222-B133	VW 13, 16	222-134	FO 10, 11, MZ 14, 15, MZT 5
205-858M	AMC 3, JEE 5	222-B151	SB 12	222-134BT	GM 4, 5, IS 1, 2
205-859	CHR 17, JEE 5	222-B160	HO 15, 17	222-138	TO 18, 20
205-859M	CHR 17, JEE 5	222-B161	HO 4, 6, 7	222-139	CHR 23, DT 10, MI 13, MIT 5
205-860	AMC 11, JEE 14	222-B162	GM 4, 5, IS 1, 2	222-14	FO 12, 13, FOT 3, 5
205-860M	AMC 11, JEE 14	222-B163	GM 17, 18	222-141	FO 1, 2, MZ 5
205-861	CHR 1	222-B164	GMT 1, SZT 3	222-142	HO 18, 20
205-861M	CHR 1	222-B165	CHR 4, MI 2, 3	222-143	HO 9, 10
205-868	CHR 15	222-B166	GM 1, 2	222-145	HO 10, 12
205-868M	CHR 15	222-B167	CHR 12, 13, MI 9, 10	222-146	MZ 16, MZT 9
205-869	CHR 14, DT 3	222-B168	CHR 12, 13, MI 9, 10	222-147	IST 6
205-869M	CHR 14, DT 3	222-B170	AUD 15	222-148BT	AUD 6, 7, VW 12, VWT 7
205-870	CHR 18, DT 6	222-B171	SZ 3	222-153	CHR 14, 15, 18, 19, DT 6, 7
205-870M	CHR 18, DT 6	222-B172	SB 10, 11	222-154	TOT 12
205-871	CHR 21, MI 12	222-B176	GM 7, TO 8	222-155	CHR 11, MI 8
205-871M	CHR 21, MI 12	222-B177	GM 9, IS 4	222-157	TO 24
205-874	CHR 11, DT 2, MI 8, MIT 1	222-B178	DAI 1	222-157CT	FO 21, FOT 10, 22
205-874M	CHR 11, DT 2, MI 8, MIT 1	222-B179	MZ 6, 9	222-158	CHR 9, 11, DT 2, MI 5, 7, 8, MIT 1
205-875	CHR 11, DT 2, MI 8, MIT 1	222-B180	NI 30, 31	222-159	CHR 9, 11, DT 2, 5, MI 5, 7, 8, 11, MIT 1, 3
205-875M	CHR 11, DT 2, MI 8, MIT 1	222-B183	MZ 17	222-16CT	TO 21, 23, TOT 6, 8
205-876	FO 7	222-B184	HO 16	222-160	CHM 11, 12, 14, 15, CHR 43, 47, 51, DT 19, 23, 24, 27
205-876M	FO 7	222-B185	FO 1, MZ 5, 8	222-161BT	CHR 11, DT 2, 5, MI 7, 8, 11, MIT 1, 3
205-878	FO 12	222-B186	HO 21	222-162	GMT 43
205-878M	FO 12	222-B187	HO 21	222-162BT	HO 9, 10, 12
205-879	FO 13	222-B190	TO 30	222-163	FO 44, 51, FOT 33, 37, GMT 32, 44, 51, MER 8, 10-12, OMC 6, 9, 10, VOM 2
205-879M	FO 13	222-B203	GM 10	222-163BT	HO 15, 17
205-880	FO 13	222-B224	HO 12	222-164BT	FO 1, 2, MZ 5, 8
205-880M	FO 13			222-166BT	FO 10, MZ 14, 15, MZT 5
205-882	FO 14			222-167CT	AMC 3, CHR 17, JEE 5
205-882M	FO 14			222-168	CHM 5, 17, 18, 21, CHR 52, 53, 55-58, DT 15, FOT 47, GMT 54, MER 15
205-883	FO 14				
205-883M	FO 14				
205-886	FO 31				
205-886M	FO 31				
205-888	FO 44				
205-888M	FO 44				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
222-168CT	MZT 8	222-342BT	NI 30, 31	222-73	CHR 1, 2, HO 3, MI 1
222-169GP	MZT 8	222-344BT	NI 30, 31	222-75BT	NI 8, 9, 12
222-17	AMC 2, AUD 1, 4-7, CHR 8, VW 2, 3, 9, 11-14, VWT 7, 9	222-347BT	GM 9, IS 4	222-76	GM 14, IS 7
222-170GP	MZT 8	222-348	CHM 10, CHR 34, 37, 42-46, 54, DT 23, 24	222-77	NI 8, 9, 12
222-171GP	MZT 8	222-348BT	GM 1	222-78	NI 20
222-172	FO 5, 6	222-349	AMC 10, 12-20, IH 26, JEE 15, 16, 18, 19	222-81	GM 12, 13, 17, 18
222-172GP	MZT 8	222-350	GM 34, 79, 87, 97, 105, 111, 116, 121	222-87	TO 17
222-173GP	MZT 8	222-351	FO 15, 19, 24, FOT 7, 8, 12	222-88	MZ 11
222-175CT	GM 30, 38, 47	222-354	AMC 6, FO 26, 29, 33, 36, 41, 43, 45, FOT 13, 15, 18, 23, 26, 28, 30	222-89	CHR 11, DT 2, MI 6, 7, MIT 1
222-176CT	NI 23, NIT 9	222-356	FO 27, 40, 42	222-90	CHR 11, DT 2, MI 6, 7, 11, MIT 1
222-177GP	NI 23, NIT 9	222-358	FO 37, 42, 44, 51, FOT 24, 33, 37, MER 9, 13, OMC 8, 11	222-91	DT 4, FOT 6, MIT 2
222-178GP	NI 23, NIT 9	222-359	GM 30, 35, 36, 39, 40, 43, 47, 48, 53, 68, 83, 86, 107, GMT 20, 44, JEE 8, 17, OMC 3, 7	222-92	CHR 14, 15, DT 3
222-179CT	NI 13	222-36	GM 7, HO 5, TO 8	222-94	DT 4, FOT 6, MIT 2
222-18CT	TO 22, 25	222-361	CHM 12, CHR 35, 43, 51, DT 22, 24, 27	222-95	HO 15, 17
222-180	GM 55, 90, GMT 44, 46	222-365	AMC 6, FO 31, FOT 17, GM 62, 69, 70	222-96BT	GM 1, 2, SZ 4, SZT 2
222-180GP	NI 13	222-368	GM 29, 31, 78, GMT 12, IST 7, JEE 7	222-99	TO 27
222-181	GMT 49	222-369	AMC 14, JEE 15, 18	2230CP	HO 4, 6, 7
222-181GP	NI 13	222-370	FO 44, FOT 33, GM 16, 20, GMT 4	223-2021	AMC 10, 12, 15, JEE 16
222-182BT	GM 1, GMT 1, SZ 4, SZT 2, 3	222-372	GM 29, 31, 32, GMT 13	223-2026	GM 7, TO 8
222-183BT	IST 6	222-374	FO 22, FOT 11	223-2026	MI 1
222-186CT	GM 26	222-375	GM 47	223-233	JEE 9, 10
222-187GP	FO 21, FOT 10	222-376	FO 31, 32	223-234A	JEE 9, 10
222-188CT	GM 21	222-377	GM 38	223-245	GM 78, 96
222-191BT	CHR 18, DT 6	222-38BT	CHR 6, 9, MI 5	223-249	FO 26, 29, 33, 41, 43, 45, FOT 13, 15, 18, 26, 28, 30
222-192BT	CHR 14, 15, 18, 19, DT 6, 7	222-380	DT 19, 24, 27	223-250	FO 26, 29, 33, 41, 43, 45, FOT 13, 15, 18, 26, 28, 30
222-195BT	CHR 23, DT 10, MI 13, MIT 5	222-383	GM 21	223-255A	GM 82, 93, 98
222-198BT	HO 22, 23	222-388	CHR 25, DT 12	223-256	GM 82, 93, 98
222-2SR60	CHR 14, 15, 18, 19, DT 6, 7	222-4SR46	GMT 44, MER 10, 11	223-261	GM 63, 66, 80, 85, 110, GMT 29, 32, 40, ST 6
222-202BT	HO 18-20	222-4SR48	JEE 13	223-262	GM 63, 66, 80, 85, 110, GMT 29, 32, 40, ST 6
222-203BT	HO 21	222-401	CHR 29, 31, DT 13, 17, 18	223-273	CHR 34, 42-46, 54
222-204BT	HO 21	222-41	HO 5, 13, 14	223-274	CHM 10, CHR 34, 37, 43-46, 54, DT 24
222-205BT	TO 28, 29	222-43	AUD 2, 3, VW 4, 7, 8, VWT 6	223-276	GM 77, 92, 106, 107, 114
222-206BT	TO 5	222-44CT	GM 30, 35, 47, 48	223-2769	FO 31
222-207BT	TO 5	222-47CT	FOT 2, MZ 1-3, 10, MZT 2, 3	223-2770	FO 31
222-209BT	TOT 12	222-489	GM 63, 66, 80, 98, 117, GMT 29, 32, 40, JEE 9, 10, ST 6	223-281	AMC 10, 12-20, IH 26, JEE 15, 16, 18, 19
222-213BT	MZ 6, 9	222-49CT	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	223-283	FO 64, 66
222-214BT	MZ 6, 9	222-491	FO 55, 63-66, FOT 45, 47, GM 77, 92, 106, 107, 114	223-284	FO 47, 52, 53, 56, 58, FOT 35
222-215BT	FO 11, MZ 14, 15, MZT 5	222-494	AMC 8, 9, 11, DT 17, 20, FO 47, 49, 52, 53, 56-59, 61, 62, FOT 35, 36, 38, 39, 41, 42, 44, GM 78, 85, 96, 99, 101, 102, 110, 113, 120, IH 9, 14, JEE 12, 14	223-288	GMT 32, 44, 51, MER 8, 10-12, OMC 6, 9, 10, VOM 2
222-216BT	MZ 16, MZT 9	222-495	CHM 5, CHR 22, 24, 27, 49, 52, 53, 56, 57, DT 9, 11, 15, GM 100, 108, 115, 119	223-289	GMT 32, 44, 51, MER 8, 10-12, OMC 6, VOM 2
222-26GP	TO 21, 23, TOT 6, 8	222-498	FO 49, 50, 57, FOT 42, GM 54, 74, 81, 91, 94, 103, 109, 112, 118, 120, 122-124	223-290	CHR 49, 52, 53, 56, 57
222-262BT	HO 16	222-499	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 82, 88, 93, 104, 117, GMT 15, 18, 28, 30, 32, 36, 38, 40, 44, 45, 51, MER 4, VOM 1, 2	223-2901	BMW 3, 5
222-263BT	IS 9, 10, IST 5	222-501	CHM 17, 21, CHR 52, 53, 55, 58, DT 29-31, GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	223-291	CHM 5, CHR 22, 24, 27, 49, 52, 53, 56, 57, DT 9, 11, 15
222-268GP	GM 21	222-503	GM 50, 65	223-2917	HO 1, 2
222-28	HO 1, 2	222-504	AMC 11, JEE 14	223-2923	NI 8, 9, 12
222-293BT	MZ 16, MZT 9	222-505	FO 14, 17	223-2928	NI 17, 20
222-294CT	GM 21	222-507	GMT 54	223-297	CHM 11, 12, 14, 15, CHR 43, 47, 51, DT 19, 23, 24, 27
222-295BT	MZ 17	222-51GP	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	223-308	FO 15, 19, 24, FOT 7, 8, 12
222-295CT	GM 38	222-59CT	GM 29, 31, GMT 12, IST 7, JEE 7	223-310	GMT 37
222-297BT	MZ 17	222-59CTN	GM 29, 31, 32, GMT 13	223-311	GMT 37
222-297GP	CHR 14, 18, DT 6	222-61	GM 11	223-321	FO 52, 53, 56, 58, 59, 61, 62, FOT 38, 39, 41, 44
222-298BT	TOT 12	222-64GP	CHR 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	223-323	GM 30, 35, 36, 39, 40, 43, 47, 48, 53, 68, 83, 86, 107, GMT 20, JEE 8, 17, OMC 3, 7
222-3DR102	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7, NI 19, 22, NIT 5, 7	222-66BT	GM 6, 7, TO 4, 6-8	223-326	FO 27, 40, 42
222-3DR58	GMT 2, REN 2	222-67	FO 3, 7	223-327	FO 27, 40, 42
222-3DR98	TO 21, 23, TOT 6, 8	222-7CT	NI 10, 15, 18, 19, 22, NIT 2-5, 7, 8	223-332N	GM 77, 92, 106, 107, 114
222-3SR60X	FO 21, FOT 10	222-70	GM 6, TO 4, 6, 7	223-334	GM 36, 39, 40, 43, 47, 68, 83, 86, 107, JEE 8, 17, OMC 3, 7
222-3SR64	AMC 3, CHR 17, JEE 5	222-70CT	TO 3	223-337	GM 98, 117
222-3SR64X	FOT 22	222-71	CHR 14, 15, DT 3	223-339	CHM 5, 17, 18, 21, CHR 52, 53, 55-58, DT 15
222-3SR84T4	MZT 8			223-340A	CHM 17, 18, 21, CHR 57, 58
222-30GP	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7			223-348	GM 54, 74, 81, 91, 109, 120
222-301BT	TO 18, 20			223-349	GM 54, 74, 81, 91, 109, 120
222-304GP	GM 21			223-355	AMC 8, 9, 11, IH 9, 14, JEE 12, 14
222-305GP	GM 21			223-358	CHM 12, CHR 35, 43, 51, DT 22, 24, 27
222-306GP	GM 21			223-359	CHM 12, CHR 35, 43, 51, DT 22, 24, 27
222-31GP	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7			223-360	GM 101, 102, 113, 120
222-316BT	TO 11, 12			223-361	GM 101, 102, 113, 120
222-317BT	TO 11, 12			223-369	GM 103, 118, 122
222-32	VOL 3-5, 7				
222-320BT	TOT 10, 11				
222-323CT	FO 31				
222-327BT	CHR 12, 13, MI 2, 3, 9, 10				
222-328BT	CHR 9, MI 4, 5				
222-33BT	CHR 1, 2, MI 1				
222-331BT	TO 19				
222-333BT	CHR 11, MI 8				
222-336BT	SB 7, 8				
222-337BT	SB 7, 8				
222-337GP	JEE 5, 13				
222-340CT	OP 2, 4				
222-341BT	NI 30, 31				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
223-375	GMT 49	223-636	FO 22, FOT 11	224-14118	FO 37, 44
223-377	GMT 37, 47	223-640	CHR 14, 15, 18, 19, DT 6, 7	224-14124	FOT 20, 31
223-380	CHR 52, 53, 55-58	223-641	GM 4, 5, IS 1	224-14143	FOT 37
223-386	FO 64, 66	223-642	CHR 14, 15, 18, 19, DT 6, 7	224-14157	CHR 24, 27, DT 9, 11, 15
223-388	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	223-645	GMT 44, MER 10, 11	224-14158	FO 56, 59, 61, 62, FOT 38
223-390	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28, 30, 32, 36, 38, 40, 44, 45, 51, MER 4, VOM 1, 2	223-649	FO 22, FOT 11	224-14159	FO 56, 59, FOT 38, 39, 41
223-390N	GM 37, 44, 57, 58, 64, 66, 71, 75, 80, 88, 104, GMT 15, 18, 28, 30, 32, 36, 38, 40, 44, 45, 51, VOM 1, 2	223-650	FO 21, FOT 10, 22	224-14160	FO 63, 65, FOT 45, 47
223-391	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28, 30, 32, 36, 38, 40, 44, 45, 51, MER 4, VOM 1, 2	223-651	FO 21, FOT 10, 22	224-14161	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 16, 18, 19
223-392	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	223-653	GM 21	224-14226*	DT 15
223-393	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 15	223-684	GM 38	224-14227	GM 73, 88
223-394	GMT 54, MER 15	223-685	FOT 47	224-14229	JEE 5
223-395	GMT 54, MER 15	223-686	NI 13	224-14232	GMT 12, IST 7
223-396	FO 52, 56, 58, 59, 61, 62, FOT 38, 39, 41, 44	223-688	JEE 13	224-14235	TO 23, TOT 8, 9
223-397	FO 15, 19, 24, FOT 7, 8, 12	223-689	JEE 13	224-14239	DT 19, 24
223-402	CHM 11, 12, 14, 15, CHR 43, 47, 51, DT 19, 24, 27	223-691	GM 38	224-14241	FOT 33
223-404	GM 94, 112, 117, 123, 124	223-692	GM 21	224-14242	GM 86
223-405	GM 94, 112, 123, 124	223-693	NI 13	224-14252*	FOT 38, 39
223-406	FO 42, 44, 51, FOT 33, 37, MER 9, OMC 8	223-694	NI 23, NIT 9	224-14256	FOT 9
223-407	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	223-695	GM 26	224-14257	FOT 47
223-412	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19	223-698	NIT 8	224-14259	GMT 28
223-414	FO 36, FOT 23	223-699	NI 23, NIT 9	224-14262	GMT 28
223-415	FO 36, FOT 23	223-700	FO 31, 32	224-14264	GMT 54
223-420A	FO 49, 57, 63, 65, FOT 36, 42, 45, 47	223-701	NIT 8	224-14265*	GM 31, GMT 12
223-421	FO 63, 65, FOT 47	223-706	GM 65	224-14266	GMT 12
223-423	FO 5, 6	223-712	DT 19, 24, 27	224-14269*	GM 38, 47
223-430	FO 37, 44, 51, FOT 24, 33, 37, MER 9, 13, OMC 8, 11	223-715	CHR 25, DT 12	224-14270	JEE 13
223-431	FO 37, 42, 44, 51, FOT 24, 33, 37, MER 9, 13, OMC 8, 11	223-716	GM 47	224-14271	GM 31, GMT 13
223-438	FOT 47	223-718	GM 47	224-14273*	FOT 47
223-447	FO 12, 13, FOT 3, 5	223-721	DT 19, 24, 27	224-14274	FO 21, FOT 10
223-448	FOT 39, 41	223-729	GM 47	224-14275	FOT 22
223-462	NI 10, 15, 18, 19, 22, 24-28, NIT 2-5, 7, 8	223-732T	GM 58, 73, 88, GMT 28	224-14279	GM 21
223-463	NI 10, 15, 18, 19, 22, 24-28, NIT 2-5, 7, 8	223-734	GM 21	224-14281	CHR 2, 9, MI 1, 5
223-468	FO 44, 51, FOT 37	223-747	GM 21	224-14282	DT 5, MIT 3
223-470	NI 2, 5, NIT 1	223-788	CHR 25, DT 12	224-14283	HO 9, 10, 12
223-475	FO 49, 50, 57, FOT 42	223-797	GM 88	224-14285	HO 21
223-493	FO 49, 57, 63, 65, FOT 36, 42, 45, 47	223-818	FO 44, FOT 33	224-14286	NIT 9
223-53B	CHR 54	223-819	FO 44, FOT 33	224-14287	TO 5
223-504	FO 5	224-1100	FO 14	224-14288	TO 18-20
223-505	GM 37, 44, 58, GMT 15, 28, 36, 44	224-1118	FO 27, 37, 40, 42, 44	224-14289	GM 7, TO 8
223-506	GM 29, 31, GMT 12, IST 7, JEE 7	224-11143	FO 51, MER 13, OMC 11	224-148	GM 47, 48
223-511	GM 29, 31, GMT 12, IST 7, JEE 7	224-11146	FO 19, 24, FOT 8, 12	224-15048*	CHR 23, DT 10
223-512	AMC 14, JEE 15, 18	224-11160	FO 12, FOT 5	224-15051*	CHR 25, DT 12
223-515	AMC 14, JEE 15, 18	224-11166	FO 49, 50, 57, FOT 36, 42	224-15052*	FO 31
223-524	GMT 49	224-11203	GM 54, 74, 81, 90, 91, 99, 101, 102, 109, 113, 120, GMT 46	224-15054*	TOT 8
223-531	FO 44, 51, FOT 33, 37	224-11203V	GM 54, 55, 74, 81, 91, 99, 101, 102, 109, 113, 120, GMT 46	224-15055*	CHR 53, 58
223-533	GM 50, 65	224-11232	GM 34, 79, 87, 97, 105, 111, 116, 121	224-15056*	JEE 12, 14
223-539	FO 31, 32, FOT 17	224-11236	GM 62, 69, 70, 79, 87, 97, 111, 116, 121	224-1568	CHR 15, 18, 19, DT 6, 7
223-542A	FO 31, FOT 17	224-11239	AMC 4, GM 26, GMT 8, JEE 6	224-16118	FO 44
223-546	GM 50, 65	224-1143H	GMT 49	224-1647	GMT 34, MER 6, OMC 4
223-549	GM 16, 20, GMT 4	224-1146	GM 66, 80, 85, 110, GMT 32, 38, 40, 43-45, MER 10, 12	224-41100	FO 14, 17
223-558	GM 16, 20, GMT 4	224-1148	GM 29	224-41101	FO 22, FOT 11
223-590	HO 5, 13, 14	224-1166	CHM 12, CHR 35, 43, 47, 51, DT 22, 24	224-41105	FO 29, FOT 15
223-593	TO 23, TOT 8, 9	224-11972*	FO 7	224-41108	FO 34, 38, FOT 14, 19, 25
223-600	TO 23, TOT 8, 9	224-12118	FOT 33	224-41118	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8
223-607	AMC 3, CHR 17, JEE 5	224-12124	FOT 31	224-41123	FO 41, 43, 45, 54, FOT 18, 26, 28, 30
223-608A	AMC 3, CHR 17, JEE 5	224-12139	FO 63, 65, FOT 45, 47	224-41124	FOT 20, 31
223-610	GM 30, 35, 47, 48, 53, GMT 20	224-12143	FO 51	224-41127	FO 12, FOT 5
223-612	FO 44, 51, FOT 33, 37	224-12160	FO 12, 13, FOT 3, 5	224-41128	FO 27, 37, 40, 42, 44, FOT 24, 29, 33
223-617	FO 14, 17	224-12166*	FOT 36, 42	224-41139	FO 63, 65, FOT 45, 47
223-618	FO 14, 17	224-12203	GM 74, 99, 101, 102, 113, 120	224-41139V	FO 63, 65, FOT 45, 47
223-619	GM 29, 31, 32, GMT 13	224-12255	FOT 10	224-41143	FO 51, FOT 37, MER 13, OMC 11
223-620	GM 29, 31, 32, GMT 13	224-1246	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 30, 32, 36, 38, 44, 51, OMC 6, VOM 1, 2	224-41143V	FO 51, FOT 37
223-621	GM 30, 47	224-1248	GM 29, 31, 32, GMT 13	224-41144	FOT 47
223-634	GMT 44, MER 10, 11	224-1252	GM 100, 115	224-41144V	FOT 47
		224-1266	CHR 51, DT 24, 27	224-41146	FO 19, 24, FOT 8, 12
		224-1268	CHR 14, 16, DT 3	224-41154	GMT 37, 47
		224-128	GM 47, 48, 53, GMT 20	224-41160	FO 12, FOT 3, 5
		224-13118	FOT 24, 33	224-41160V	FO 12, 13, FOT 3, 5
		224-13124	FOT 31	224-41163*	FO 18, 20, FOT 9
		224-13143	FOT 37	224-41163V	FO 18, 20, FOT 9
		224-13160	FO 12, 13, FOT 3, 5	224-41166	FO 49, 50, 57, FOT 36, 42
		224-1346	GMT 28, 44, MER 8, VOM 1, 2	224-41166V	FO 49, 50, 57, FOT 36, 42
		224-1347	GM 41, 45, 51, GMT 14, 19, 26, MER 5, 6, OMC 4	224-41169	FO 56, 62
		224-1348	GM 29, 31, GMT 12	224-41171	JEE 9
		224-138	GM 30, 47	224-41173	FO 47, 52, 55, 56, 59, 62, 64, 66, FOT 35, 38, 39, 41
				224-41177	FO 47, 52, 55, 56, 58, 59, 61, 62, 64, 66, FOT 35, 38, 39, 41
				224-41185	IH 8, 11, 16
				224-41187	IH 2, 5

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
224-41198	AMC 3, 11, CHR 17, JEE 5, 13, 14	224-41997	HO 16	224-61114	FO 47, 52, 55, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41
224-41199*	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	224-41999	FOT 43, 46, IH 27	224-61118	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8
224-41203	GM 54, 74, 81, 91, 99, 101, 102, 109, 113, 120	224-42000	CHR 23, DT 10	224-61120	FO 14, 17, 19, 24, FOT 8, 12
224-41203V	GM 54, 55, 74, 81, 91, 99, 101, 102, 109, 113, 120, GMT 46	224-43343	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 100, 104, 108, 110, 115, 119, GMT 15, 18, 28, 30, 32, 36, 38, 43-45, 51, 52, 54, MER 7, 8, 11, VOM 1, 2	224-61123	FO 41, 43, 45, FOT 28, 30
224-41239	AMC 4, GM 26, GMT 8, JEE 6	224-43351*	GM 15, 16, 20, 29, 31, 32, GMT 4, 12, 13, 49, IST 7	224-61124	FOT 20, 31
224-41239V	AMC 4, GM 26, GMT 8, JEE 6	224-43363	GM 63, 66, GMT 29	224-61127	FO 63, 65, FOT 45, 47
224-41255	JEE 2, 3	224-43364S	GM 34, 62, 69, 70, 79, 87, 97, 105, 111, 116, 121	224-61143	FO 51, FOT 37, OMC 11
224-4140	GM 42, 49, GMT 16, 21	224-43365A	FO 47, 55, 56, 58, 59, 61, 62, 64, 66, FOT 35, 38, 39, 41	224-61160	FO 12, 13, FOT 3, 5
224-4141	GM 49, GMT 21, 27	224-43366A	CHR 52, 53, 55-58, DT 29-31	224-61162	FO 31, FOT 17
224-4142	GM 49, GMT 21	224-43370	FO 27, 37, 40, 42, 44, FOT 24, 29, 33	224-61163	FO 18, 20, FOT 9
224-4143	GM 44, 57, 58, 64, 66, 71, 73, 75, 80, 85, 88, 104, 110, GMT 15, 18, 28, 30, 32, 36, 38, 40, 43-45, 51, ST 6	224-43389V	GM 29, JEE 7	224-61166	FO 49, 50, 57, FOT 36, 42
224-4146	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 85, 88, 104, 110, GMT 15, 18, 28, 30, 32, 36, 38, 40, 43-45, 51, MER 8, 11, OMC 6, 9, ST 6, VOM 1, 2	224-43396S	JEE 14	224-61203	GM 54, 55, 74, 81, 90, 91, 99, 101, 102, 109, 113, 120, GMT 46
224-4146A	GM 37, 44, 57, 58, 71, 73, 75, 80, 85, 88, 110, GMT 28, 30, 32, 36, 38, 40, 43, 51, MER 4, 7, 10, 12	224-43405	FO 12, 13	224-61239	AMC 4, GM 26, GMT 8, JEE 6
224-4147	GM 27, 33, 41, 45, 51, GMT 9, 14, 19, 26, 34, MER 1, 2, 5, 6, OMC 1, 2, 4, ST 2	224-43413	IS 9, 10, IST 2, 5	224-6143H	GMT 49
224-4148	GM 29, 31, GMT 12, 13, IST 7, JEE 7	224-43417	GM 94	224-6146	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28, 30, 32, 36, 38, 40, 43-45, 51, MER 7, 8, 11, VOM 1, 2
224-4148V	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	224-43422	HO 23	224-6146E	GM 37, 44, 57, 58, 64, 66, 71, 73, 75, 80, 88, 104, GMT 15, 18, 28, 30, 32, 36, 38, 40, 43-45, 51, ST 6
224-4149	GM 66, 80	224-43424	GMT 49	224-6148	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7
224-415	GM 103, 106, 107, 114	224-43428	AMC 9, 11, JEE 12, 14	224-6151*	GM 15, 16, 20, GMT 4
224-4151	GM 15, 16, 20, GMT 4	224-43431	FO 21, FOT 10, 22	224-6154	GM 100, 108, 115, 119, GMT 50, 54
224-4152	GM 31, GMT 12, 13, IST 7	224-43432S	GM 50	224-6154A	GM 100, 108, 115, 119, GMT 38, 50, 52, 54
224-4152V	GM 31, GMT 12, 13, IST 7	224-43433S	GM 50, 65	224-6166	CHR 35, 43, 47, 51, DT 19, 22, 24, 27
224-4153	GM 100, 108, 115, 119, GMT 50, 52, 54	224-43434S+	FOT 11	224-6174	CHR 49, 52, 53, 55-58, DT 29-31
224-4153S*	GM 71	224-43435	GM 21	224-6175*	FOT 11
224-4154	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 14, 15	224-43451	NI 23, NIT 9	224-6176*	FO 31, 32
224-4154G	GMT 54, MER 14, 15	224-43456	GM 1, 2, SZ 3, 4, SZT 2	2248BF	FOT 21
224-4157	GM 27, 33, 41, 45, 51, GMT 9, 14, 19, 26, 34, MER 1	224-43469	GM 58, 88, GMT 28, 36	2304V	FO 52, 56, 58, 59, 61, 62, FOT 38, 39, 41, 44
224-4159	GM 3, 11	224-43469V	GM 58, 73, 88, GMT 28, 36, 44	2304V20	FO 52, 56, 58, 59, 61, 62, FOT 38, 39, 41, 44
224-4160	CHR 28, 29, 31, DT 17, 18, 20	224-43473*	GM 123, 124	2305CP	FO 55, 60, 64, 66
224-4165C	CHM 4, CHR 22, 24, 27, DT 9, 11, 15	224-43505	JEE 13	2320CP	CHM 16-21, CHR 49, 52, 53, 55-58, DT 29-31
224-4165V	CHR 22, 24, 27, DT 9, 11, 15	224-43507	GM 17, 18	233P	GM 63
224-4166	CHM 12, 14, CHR 35, 43, 47, 51, DT 19, 22, 24, 27	224-43566	HO 9, 10, 12	235NP*	GM 66, GMT 32, MER 8, OMC 6, ST 6
224-4166V	CHR 35, 43, 47, 51, DT 19, 22, 24, 27	224-43567	FO 31, 32	235P+	GM 66, GMT 32, MER 8, OMC 6, ST 6
224-4168	CHR 14-16, 18, 19, DT 3, 6, 7	224-43601	DT 5	2375CP	CHM 2, 5, CHR 22, 24, 27, DT 9, 11, 15
224-4168S*	CHR 14, 15, DT 3	224-43602	CHR 12, MI 9	238P 30	CHR 56
224-4174	CHM 18, 20, 21, CHR 49, 52, 53, 55-58, DT 29	224-43617	GM 9	2380CP	FO 14, 15, 19, 24, 36, FOT 7, 8, 12, 23
224-4174V	CHM 20, CHR 49, 52, 53, 55-58, DT 29-31	224-43620	GM 100, 108, 115, 119, GMT 50, 52, 54	2385CP	GM 22, 24, 28, GMT 7, 11
224-41901	NI 10, 15, 18, 19, 22, 24-26, NIT 2-5, 7, 8	224-43622	NI 13	2-3950CP	GMT 22, 23, IST 8, 9
224-41902	TO 21, 23, TOT 6, 8	224-43623*	VW 12	2400P	GMT 37, 47
224-41904	TO 9, 10	224-43624	VW 12	2404Y20	GMT 37, 47
224-41908	NI 1, 3, 4, 6, 7	224-43629*	GM 105, 121	2410CP	IH 17, 19, 21, 22, 24
224-41912	AUD 6, CHR 8, VW 2, 3, 9, 11, 12, VWT 9	224-43636S	FOT 11	244NP	CHM 5, CHR 22, 24, 27, DT 9, 11, 15
224-41914	CHR 10, 20, DT 1, 8, MI 12, MIT 4, MZT 7	224-43637*	NI 23, NIT 9	245-1062-50	HO 9, 12, MZ 6, 7, TO 8, 20
224-41915	CHR 21, MI 12	224-43651*	MI 13, MIT 5	245-1125-51	GM 7, TO 8
224-41919	NI 27, NIT 8	224-43653	DT 10	245-1125-54	VW 13, 16
224-41920	NI 27, NIT 8	224-51139	FO 49, 50, 57, 63, 65, FOT 36, 42, 45, 47	245-1187-51	TO 5
224-41936	TO 5	224-51162	FO 31, FOT 17	245-1187-52	GM 1, 2, 8, 9, HO 9, 12, IS 3, 5, SZ 3, TO 28, 29
224-41940	TO 23, TOT 8, 9	224-51185	IH 8, 11, 16	245-1187-53	TO 24
224-41942	TO 28, 29	224-51187	IH 2, 5, 17, 19, 21, 24	245-1250-54	GM 7, TO 8
224-41947	TOT 4, 7	224-51198	AMC 3, 11, CHR 17, JEE 5, 13, 14	245-1250-55	TO 18, 19
224-41948	TO 18, 20	224-5127	GM 117	245-1250-56	MZ 9
224-41950	NI 29, NIT 11	224-5128	GM 94, 112, 123, 124	245-1250-61	MZ 7
224-41956	NIT 11	224-51285	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 16, 18, 19	245-1250-63	SB 10, 11
224-41964	HO 15, 17	224-5129	GM 50, 65	245-1250-64	HO 21
224-41965	HO 18-20	224-51297*	FO 41, 43, 45, 54, FOT 18, 26, 28, 30	245-1312-52	NI 3, 4, 6, 7
224-41972	FO 7	224-51317	GM 29, 31, GMT 12, 13, IST 7, JEE 7	245-1312-53	CHR 1, 2, MI 1
224-41977	HO 21	224-51348	GMT 54	245-1312-60	TO 28, 29
224-41980	TOT 12	224-51379	GM 30, 38, 47	245-1312-62	VOL 8, 9
224-41985	TO 19	224-51380	FO 31, 32	245-1312-64	CHR 4, 12, 13, HO 16, MI 2, 3, 10, VW 13, 16
224-41989	HO 14	224-51382*	GM 35, 43, 47, 48, 53, 68, 83, 86, GMT 20, JEE 8, 17	245-1312-65	GM 8, IS 3, 5
224-41994	MZ 11, MZT 4	224-51384	CHR 25, DT 12	245-1375-1	FO 5, 6, 18, 20, FOT 9, GM 3, 11, 50, 65
224-41995	FO 10, 11, MZ 14, 15, MZT 5	224-51385*	CHR 23, DT 10, MI 13, MIT 5	245-1375-4	AMC 7, FO 15, 19, 24, FOT 8, GM 36
224-41996	IST 6	224-5174	CHM 20, CHR 49, 52, 53, 55-58, DT 29-31		
		224-518	GM 30, 35, 43, 47, 48, 53, 68, 83, 86, GMT 20, JEE 8, 17		
		224-518TP	GM 35, 39, 40, 43, 47, 48, 53, 68, 83, 86, 103, 106, 118, 122, GMT 20, JEE 8, 17		
		224-518V	GM 35, 43, 47, 48, 53, 68, 83, 86, GMT 20, JEE 8, 17		
		224-519	GM 103, 106, 118, 122, ST 6		
		224-53579*	MZT 8		
		224-61104	FO 29, FOT 15		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
245-1375-51	CHR 3, 6, 7, FO 1, GM 9, MI 4, SAB 3	245-1625-54	FO 2, 31, 32, FOT 17, IS 10, IST 6, SB 4	245-1875-51	CHR 20, 21, DT 5, 8, MI 11, 12, MIT 3, 4, MZT 7
245-1375-55	AUD 7, 12, 14, 15, HO 5, 7, 8, 18, 20, NI 14, SB 10, 11	245-1625-62	FO 7, MZ 16, MZT 9	245-1875-6	FO 29, 51, FOT 37, GM 68, 83
245-1375-56	FO 10, 11, MZ 15, SZT 3, TO 20	245-1630-1*	FOT 26, 27	245-1937-1	CHM 12, CHR 43, DT 24, FO 51, FOT 37, 43, GM 44, 73, 97-99, 117, IH 27, OMC 7
245-1375-60	NI 33	245-1640-1	DT 18, 20, FO 34, 38, FOT 25		GMT 49
245-1375-65	HO 21	245-1669-1	FOT 43, IH 27	245-1937-17	TO 23, TOT 8, 9
245-1437-1	CHR 22, 24, 27, DT 9, 11, 15, FO 5, GM 23	245-1687-1	FO 35, 47, 52, 53, 56, 58, 59, FOT 20, 31, 35, 38, 39, 41	245-1937-52	AMC 3, 16, 19, CHR 17, 43, 47, 51, 56, DT 24, 27, FO 41, 43, 45, GM 79, 81, 86, 90-92, 97, 105, 107, 111, 114, GMT 46, JEE 5, 11, 13, 17
245-1437-2	FO 19, 22-24, 36, FOT 3, 22, 23, GM 15, 16, 37, 62, 64, GMT 30	245-1687-1N	FO 35, 47, 52, 53, 56, 58, 59, FOT 20, 31, 35, 38, 39, 41	245-2000-1	GMT 49
245-1437-2N	FO 19, 22, 24, 36, FOT 3, 23, GM 15, 16, 37, 62, 64	245-1687-15	GMT 49		AMC 18, 20, CHR 47, FO 62, GM 46, 58, 80, 87, 88, 104, 105, 109, 116, GMT 28, 38, 44, 51, IH 26, JEE 2, 18, 19
245-1437-3	AMC 6, FOT 8, 11, GM 29, 39, 40, 43, 68, 83, GMT 12, JEE 7-9, OMC 3	245-1687-16	GM 90, GMT 46	245-2000-22	FO 47, 52, 53, 56, 58, 59, 62, FOT 35, 38, 39, 41, GM 71, 80, 88, GMT 36, 37
245-1437-3N	AMC 6, FOT 11, GM 29, 39, 40, 43, 68, 83, GMT 12, JEE 8, 9	245-1687-2	AMC 16, 19, CHM 12, CHR 43, DT 24, 27, FO 18, 20, 40, FOT 3, 9, GM 15, 16, 29, 37, 42, 54, 62, 71, 81, 88, 91, 99, 104, GMT 12, 36, 37, JEE 7	245-2062-1	
245-1437-4	GM 54				
245-1437-61	NI 28, VWT 13	245-1687-2N	AMC 16, 19, CHM 12, CHR 43, DT 24, 27, FO 18, 20, 40, FOT 3, 9, GM 15, 16, 29, 37, 42, 54, 62, 71, 81, 88, 91, 99, 104, GMT 12, 36, 37	245-2125-1	AMC 18, 20, CHR 47, FO 62, GM 46, 58, 80, 87, 88, 104, 105, 109, 116, GMT 28, 38, 44, 51, IH 26, JEE 2, 18, 19
245-1437-66	FO 2, JEE 1, MZ 5, 16, MZT 9, TO 17				
245-1437-67	TO 18, 19, TOT 5, 10				
245-1437-68	CHR 4, 12, 13, MI 2, 3, 10	245-1687-3*	AMC 19, FO 35, FOT 20, 31, 39, 41	245-2125-2	FO 49, 50, 57, FOT 36, 42, GM 87, 91, 102, 103, 105, 112, 113, 116, 118, 120-124
245-1437-74	MZ 9	245-1687-5	FOT 31		
245-1500-1	AMC 8-15, FO 8, 21, 27, 40, FOT 10, GM 29, 31, 32, 35, 47, 48, GMT 12, 13, IH 9, 14, IST 7, JEE 12, 14-16, OMC 3, 7	245-1687-51	CHR 14, 15, 18, 19, DT 3, 6, 7	245-2250-1	CHR 52, 53, 55, 56, 58, DT 29-31, FO 61-63, 65, FOT 44, 45, 47, GM 100-102, 108, 110, 115, 119, 120, GMT 50, 52, 54
245-1500-1N	AMC 8-15, FO 8, 27, 40, FOT 10, GM 29, 31, 32, 35, 47, 48, GMT 12, 13, IST 7, JEE 12, 14-16	245-1687-56	NI 23, NIT 9		FO 52, FOT 38
245-1500-3*	OP 4	245-1687-57	BMW 7, FO 9	246NP	FO 29, FOT 15, 27
245-1500-54	MZ 11, 13, 14, MZT 5, NI 15, 17, 18, 20, 24-27, NIT 3, 4	245-1687-7*	CHM 13	2465CPB	FO 29, 48, FOT 15, 27, 30
245-1500-62	AUD 8, 9, BMW 6, 7, CHR 10, 11, 20, DT 1, 2, 8, GM 17, 18, MI 6-9, MIT 1, VOL 8, 9	245-1722-E1	DT 26, GMT 24	2469V	AMC 4, GM 26, 36, 39, 40, 43, 47, 62, 68-70, 83, 86, GMT 8, JEE 6, 8, 17, OMC 3, 7, ROV 2, SM 5
245-1500-63	BMW 11, CHR 14, 15, 18, 19, DT 3, 6, 7	245-1750-1	FO 40, GM 23, 35, 43, 47, 48, IH 13, JEE 8	2500RAA	FIA 5
245-1500-77	GM 1, 2, NI 31	245-1750-1N	FO 40, GM 23, 35, 43, 47, 48, JEE 8	2516AF	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 34, 36, 38, 40, 44, 45, 51, MER 2, 10-12, OMC 2, 9, 10, VOM 1, 2
245-1500-79	SZT 3	245-1750-2	CHR 22, 24, 27, 47, 51-53, 56, 58, DT 9, 11, 15, 27, FO 19, 21, 22, 24, 36, 37, 42, 49, 50, 57, 58, 61-63, 65, FOT 10, 11, 23, 24, 36, 42, 44, 45, GM 16, 46, 79, 87, 91, 97, 101-103, 105, 111-113, 116, 118, 120-124, IH 18	2555A	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 34, 36, 38, 40, 44, 45, 51, MER 2, 10-12, OMC 2, 9, 10, VOM 1, 2
245-1562-1	AMC 3, 7, CHR 17, FO 12-15, 37, 40, 42, 44, 45, 51, FOT 5, 24, 29, 33, 37, GM 16, 42, 58, 65, 73, 74, 88, 104, 107, 114, GMT 28, 34, 44, 51, IH 13, 18, JEE 3, 5, MER 1, 5, 6, 8, 10, 12, OMC 1, 4, 6, 8-11, VOM 1, 2	245-1750-2N	CHR 22, 24, 27, 47, 51-53, 56, 58, DT 9, 11, 15, 27, FO 19, 24, 36, 37, 42, 49, 50, 57, 58, 61-63, 65, FOT 10, 11, 23, 24, 36, 42, 44, 45, GM 16, 46, 79, 87, 91, 97, 101-103, 105, 111-113, 116, 118, 120-124, IH 18	2555CA 60	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 34, 36, 38, 40, 44, 45, 51, MER 2, 10-12, OMC 2, 9, 10, VOM 1, 2
245-1562-1N	AMC 3, 7, CHR 17, FO 12-15, 37, 40, 42, 44, 45, 51, FOT 5, 24, 29, 33, 37, GM 16, 42, 58, 73, 74, 88, 104, 107, 114, GMT 28, 34, 44, 51, IH 18, JEE 3, 5, MER 1, 5, 6, 8, 10, 12, OMC 1, 4, 6, 9, 10, VOM 1, 2	245-1750-3	AMC 18, 20, FO 8, 43, IH 26, JEE 18, 19		GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 34, 36, 38, 40, 44, 45, 51, MER 2, 10-12, OMC 2, 9, 10, VOM 1, 2
245-1562-2	FO 41, 43, GM 27, 30, 33, 35, 41, 44, 45, 47-49, 51, 53, 57, 63, 66, 75, 80, 91, 94, 109, GMT 9, 14, 19, 26, 27, 32, 38, 40	245-1750-3N	AMC 18, 20, FO 8, 43, JEE 18, 19	2555CP	GM 26
245-1562-2N	FO 41, 43, GM 27, 30, 33, 35, 41, 44, 45, 47-49, 51, 53, 57, 63, 66, 75, 80, 91, 94, 109, GMT 9, 14, 19, 26, 27, 32, 38, 40	245-1750-4	JEE 11, OP 4, TOT 3		GM 55, 90, GMT 46
245-1562-36	FO 17, GMT 49, JEE 13	245-1750-51	GMT 2, 3, IS 8, 9, IST 5, OP 3	2564V20	GM 92, 103, 106, 107, 114, 118, 122, GMT 27
245-1562-4	JEE 2	245-1750-60	BMW 6, 7, 11, FO 3, 7	259-100A	GM 92, 103, 106, 107, 114, 118, 122, GMT 27
245-1562-54	FO 3, 7	245-1750-61	CHR 10, 11, 20, 23, DT 1, 2, 8, 10, MI 6-9, 13, MIT 1, 5	259-100B	GM 92, 103, 106, 107, 114, 118, 122, GMT 27
245-1562-66	GM 20, IS 9, IST 5, NI 8, 9, 12	245-1750-7	DT 26, GMT 24		VOL 1, 2
245-1562-67	TO 23, TOT 8, 9	245-1781-E1N	FOT 47	259-101A	VOL 1, 2
245-1562-69	CHR 23, DT 10, MI 13, MIT 5	245-1812-1	CHR 35, 43, DT 18, 20, 22, GM 87, 105, 121	259-101B	AMC 14, CHR 35, 45, FO 12, 13, 15, 18-20, 24, 27, 29, 36, 37, 40-45, FOT 5, 7, 8, 12, 14, 23, 24, 26-30, 33
245-1562-72	TOT 12	245-1812-1N	CHR 35, 43, DT 18, 20, 22, GM 87, 105, 121	259-102A	AMC 14, CHR 35, 45, FO 12, 13, 15, 18-20, 24, 27, 29, 36, 37, 40-45, FOT 5, 7, 8, 12, 14, 23, 26-30, 33
245-1562-74	CHR 25, DT 12	245-1812-2	DT 24, FO 12-14, 17, FOT 5		AMC 14, CHR 35, 45, FO 12, 13, 15, 18-20, 24, 27, 29, 36, 37, 40-45, FOT 5, 7, 8, 12, 14, 23, 26-30, 33
245-1625-1	AMC 4, 6, CHM 4, CHR 28, DT 13, 17, 19, FO 19, 24, 25, 27, 29, 34, 38, 51, 62, FOT 8, 25, 37, GM 3, 11, 26, 36, 39, 40, 65, 69, 70, 86, 92, 106, GMT 8, JEE 3, 6, 9, 17, MER 13, OMC 11	245-1812-3	FO 35, 41-43, 45, FOT 20, 26, 27, 29, 31, GM 27, 30, 35, 41, 47, 48, 53, 57, 63, 66, 73, 75, 80, GMT 9, 14, 19, 26, 30, 32, 34, 38, 40, 51	259-102B	AMC 14, CHR 35, 45, FO 12, 13, 15, 18-20, 24, 27, 29, 36, 37, 40-45, FOT 5, 7, 8, 12, 14, 23, 24, 26-30, 33
245-1625-1N	AMC 4, 6, CHM 4, CHR 28, DT 13, 17, 19, FO 19, 24, 25, 27, 29, 34, 38, 51, 62, FOT 25, 37, GM 3, 11, 26, 36, 39, 40, 69, 70, 86, 92, GMT 8, JEE 3, 6, 9, 17	245-1812-4	AMC 4, DT 19, FO 24, 36, 63, FOT 22, GM 26, 29, 31-33, 45, 51, 64, 69, 70, 94, 100, 108, 110, 115, 119, GMT 8, 12, 13, 50, 52, 54, IST 7, JEE 6, MER 1, 5, 6, 8, 10, OMC 1, 4, 6, 9, 10	259-102C	AMC 14, CHR 35, 45, FO 12, 13, 15, 18-20, 24, 27, 29, 36, 37, 40-45, FOT 5, 7, 8, 12, 14, 23, 24, 26-30, 33
245-1625-15	FOT 16, 19, ST 5, 7	245-1812-4N	AMC 4, DT 19, FO 24, 36, GM 26, 29, 31, 32, 69, 70, 94, 100, 108, 110, 115, 119, GMT 8, 12, 13, 50, 52, 54, IST 7, JEE 6		AMC 8, 9, 11, 13, 16, 18-20, CHR 22, 24, 27, 43, 47, 51-53, 55-58, DT 9, 11, 15, 22, 24, 27, 29, FO 35, 47, 49-52, 56-59, 61, 63, 65, FOT 20, 31, 35-37, 39, 41, 42, 45, 47, GM 100, 108, 110, 115
245-1625-2	CHR 35, 43, DT 22, 24	245-1812-50	MZ 11, 13, 14, MZT 5, NI 10, 15, 18, NIT 2-4	259-103A	
245-1625-2N	CHR 35, 43, DT 22, 24	245-1812-54	GM 17, 18, NI 19, 22, NIT 5, 7, 8		AMC 8, 9, 11, 13, 16, 18-20, CHR 22, 24, 27, 43, 47, 51-53, 55-58, DT 9, 11, 15, 22, 24, 27, 29, FO 35, 47, 49-52, 56-59, 61, 63, 65, FOT 20, 31, 35-37, 39, 41, 42, 45, 47, GM 100, 108, 110, 115
245-1625-4	FO 46, GM 98, 117	245-1812-55	GM 20, NI 29, 30, 32, NIT 11	259-103ARS	
		245-1875-1	AMC 8-15, CHR 53, 55, 58, DT 29-31, FO 44, FOT 33, IH 8, 9, 11, 14, 16, JEE 12, 14-16		
		245-1875-1N	AMC 8-15, CHR 53, 55, 58, DT 29-31, FO 44, FOT 33, IH 8, 11, 16, JEE 12, 14-16		
		245-1875-2	CHM 13, GM 74		
		245-1875-50	FO 31, 32, FOT 17		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
259-103B	AMC 8, 9, 11, 13, 16, 18-20, CHR 22, 24, 27, 43, 47, 51-53, 55-58, DT 9, 11, 15, 22, 24, 27, 29, FO 35, 47, 49-52, 56-59, 61, 63, 65, FOT 20, 31, 35-37, 39, 41, 42, 45, 47, GM 100, 108, 110, 115	2600CP	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	260-1166	FO 31, FOT 17
259-103BRS	AMC 8, 9, 11, 13, 16, 18-20, CHR 22, 24, 27, 43, 47, 51-53, 55-58, DT 9, 11, 15, 22, 24, 27, 29, FO 35, 47, 49-52, 56-59, 61, 63, 65, FOT 20, 31, 35-37, 39, 41, 42, 45, 47, GM 100, 108, 110, 115	260-1000	GM 63, 66, 71, 75, 80, 88, GMT 29, 32, 38, 40, 44, 45, ST 6	260-1167	FO 31
259-103C	AMC 8, 9, 11, 13, 16, 18-20, CHR 22, 24, 27, 43, 47, 51-53, 55-58, DT 9, 11, 15, 22, 24, 27, 29, FO 35, 47, 49-52, 56-59, 61, 63, 65, FOT 20, 31, 35-37, 39, 41, 42, 45, 47, GM 100, 108, 110, 115	260-1001	CHR 52, 53, 55, 56, 58, DT 29-31	260-1169	FO 44, FOT 33
259-105B	FO 8, GM 41, VW 1, 5, 6, 10, 15, VWT 1, 4, 5, 8, 10, 12	260-1002	FO 15, 19, 24, FOT 7, 8, 12	260-1170	FO 51, FOT 37
259-106B	GMT 2, OP 1	260-1003	FO 36, FOT 23	260-1172	FOT 5
259-200A	GM 42, 49, GMT 16, 21, JEE 11, OP 4	260-1004	CHR 22, 24, 27, DT 9, 11, 15	260-1174	FOT 31
259-200B	GM 42, 49, GMT 16, 21, JEE 11, OP 4	260-1005	GM 33, 41, 45, 51, GMT 14, 19, 26, 34, ST 2	260-1177	FOT 47
259-201A	AMC 2, 4, GM 26, 29, 35, 36, 43, 47, 48, 50, 53, 62, 63, 83, 86, GMT 12, 29, 38, IST 7, JEE 6, 17	260-1006	FO 35, FOT 20, 31	260-1178	GM 26, GMT 8
259-201ARS	AMC 2, 4, GM 26, 29, 35, 36, 43, 47, 48, 50, 53, 62, 63, 83, 86, GMT 12, 29, 38, IST 7, JEE 6, 17	260-1007	AMC 8, 9, 11, IH 9, 14, JEE 12, 14	260-1179	GM 26
259-201B	AMC 2, 4, GM 26, 29, 35, 36, 43, 47, 48, 50, 53, 62, 63, 83, 86, GMT 12, 29, 38, IST 7, JEE 6, 17	260-1008	GM 81, 91, 101, 102, 113, 120, GMT 55	260-1180	GM 16
259-203A	GM 23, 27, 33, 37, 44, 45, 51, 57, 64, 66, 69-71, 73, 75, 80, 87, 88, 94, 101, 102, 104, 117, 123, 124, GMT 9, 14, 19, 26, 31, 32, 34, 36, 40, 44, 45, 51, 52, 54, JEE 12, 14-16, 18, 19	260-1009	GM 100, 108, 115, 119, GMT 48, 50, 52, 54	260-1181	GM 47
259-203ARS	GM 23, 27, 33, 37, 44, 45, 51, 57, 64, 66, 69-71, 73, 75, 80, 87, 88, 94, 101, 102, 104, 117, 123, 124, GMT 9, 14, 19, 26, 31, 32, 34, 36, 40, 44, 45, 51, 52, 54, JEE 12, 14-16, 18, 19	260-1010	AMC 13, 14, JEE 15	260-1182	GM 47
259-203B	GM 23, 27, 33, 37, 44, 45, 51, 57, 64, 66, 69-71, 73, 75, 80, 87, 88, 94, 101, 102, 104, 117, 123, 124, GMT 9, 14, 19, 26, 31, 32, 34, 36, 40, 44, 45, 51, 52, 54, JEE 12, 14-16, 18, 19	260-1012	GM 86, JEE 17	260-1186	MZ 10, MZT 3
259-203BRS	GM 23, 27, 33, 37, 44, 45, 51, 57, 64, 66, 69-71, 73, 75, 80, 87, 88, 94, 101, 102, 104, 117, 123, 124, GMT 9, 14, 19, 26, 31, 32, 34, 36, 40, 44, 45, 51, 52, 54, JEE 12, 14-16, 18, 19	260-1013	FO 63, 65, FOT 45, 47	260-1188	TO 23, TOT 8
259-203C	GM 23, 27, 33, 37, 44, 45, 51, 57, 64, 66, 69-71, 73, 75, 80, 88, 94, 101, 102, 104, 117, 123, 124, GMT 9, 14, 19, 26, 31, 32, 34, 36, 40, 44, 45, 51, 52, 54, JEE 12, 14-16, 18, 19	260-1014	FO 49, 50, 57, FOT 36, 42	260-1189	FOT 37
259-301A	GM 34, 46, 52, 79, 95, 97, 111	260-1015	FO 8	260-1191	AMC 3, JEE 5
259-303A	GM 54, 59, 74, 81, 90, 91, 96, 99, 100, 108, 109, 112, 113, 119, 120, GMT 46, IH 25	260-1016	GM 104, GMT 51	260-1192	CHR 17, JEE 5
259-303ARS	GM 54, 59, 74, 81, 90, 91, 96, 99, 100, 108, 109, 112, 113, 119, 120, GMT 46, IH 25	260-1018	FO 12, FOT 5	260-1193	AMC 11, JEE 14
259-303B	GM 54, 59, 74, 81, 90, 91, 96, 99, 100, 108, 109, 112, 113, 119, 120, GMT 46, IH 25	260-1019	GM 51, GMT 26	260-1194	CHR 1, 2, MI 1
259-303C	GM 54, 59, 74, 81, 90, 91, 96, 99, 100, 108, 109, 112, 113, 119, 120, GMT 46, IH 25	260-1021	GM 3, 11	260-1199	CHR 11, DT 2, MI 8, MIT 1
259-305A	GM 105, 116, 121	260-1022	GM 91	260-1200	CHR 18, DT 6
259-305B	GM 105, 116, 121	260-1023	GM 57, 73, GMT 36	260-1201	CHR 21, MI 12
259-306A	FO 62, FOT 44	260-1024	GM 73, GMT 36	260-1205	FO 7
259-306B	FO 62, FOT 44	260-1025	GM 87, 105, 116, 121	260-1206	FO 12, 13
259-404A	GMT 50	260-1028	FO 51, FOT 37	260-1208	FO 14
259-820B	CHR 14, 18, 19, 25, DT 3, 6, 7, 12	260-1032	GM 30, 35, 47, 48, 53, GMT 20	260-1210	FO 22
259-821B	CHR 1, 6-11, 14, 15, 18-21, DT 1-4, 6-8, MI 4-8, 11, 12, MIT 1-4	260-1033	CHR 51, DT 27	260-1211	FO 31
2600A	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	260-1035	FO 47, 52, 53, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44	260-1213A	FO 44
		260-1037	GMT 26	260-1214	FOT 3
		260-1038	CHR 27, DT 15	260-1218	FOT 5
		260-1043	DT 30, 31	260-1219	FOT 9
		260-1044	GMT 34	260-1220	FO 21, FOT 10
		260-1045	GM 88, GMT 44	260-1222	FOT 11
		260-1046	GMT 54	260-1223	FOT 47
		260-1050	IH 24	260-1227	GM 16, 20
		260-1060	NI 10, 15, 18, NIT 2-4	260-1228	GM 26, GMT 8
		260-1062	TO 9, 10	260-1229	GM 26
		260-1065	TO 21, TOT 6	260-1230	GM 27, GMT 9
		260-1075	IH 17, 19-22	260-1231	GM 27
		260-1076	IH 24	260-1232	GM 29, GMT 12, IST 7
		260-1079	GM 66, 71, 75, 80, 88	260-1233	GM 29, 31, 32
		260-1081	GM 100, 108, 115, 119	260-1236	GM 30, 47
		260-1082	FO 40, 42, 44	260-1238	GM 48
		260-1090	GMT 2, 3, IS 6, 8, IST 1, 2, OP 3	260-1239	GM 58, GMT 28
		260-1091	TO 23, TOT 8	260-1240	GM 58, GMT 28
		260-1093	CHR 14, DT 3	260-1241	GM 58, GMT 28
		260-1095	CHR 51, DT 27	260-1243	GM 73, GMT 36
		260-1097	FO 37, FOT 24	260-1244	GM 73
		260-1101	GM 44, GMT 18	260-1245	GM 73
		260-1103	GM 54	260-1246	GM 73, GMT 36
		260-1104	GM 109, GMT 53	260-1247	GM 73
		260-1111	FO 5	260-1249	GM 90, GMT 46
		260-1112	FOT 2	260-1267	GMT 34
		260-1121	CHR 43, 47, DT 24	260-1268	GM 88, GMT 44
		260-1122	GM 62, 69, 70	260-1269	GM 88, GMT 44
		260-1123	GM 29, GMT 12, JEE 7	260-1276	CHR 15
		260-1124	GM 74	260-1279	NI 8, 9, 12
		260-1125	FO 40, 42, 44, FOT 29, 33	260-1282	NI 22, NIT 7
		260-1126	FO 51, FOT 37	260-1286	TO 4
		260-1127	FO 20	260-1292	TO 27
		260-1128	AMC 4, GM 26, JEE 6	260-1294	TOT 17
		260-1129	GMT 26	260-1299	AUD 6, VW 12
		260-1134	AMC 11, JEE 14	260-1315	GMT 49
		260-1138	GM 47, 48, GMT 20	260-1418	GMT 54
		260-1143	GM 29, GMT 12, JEE 7	260-1420	FOT 31
		260-1144	GM 29, GMT 12, JEE 7	260-1424	JEE 13
		260-1149	GM 30, 47, 48, 53, GMT 20	260-1425	CHR 14, 18, DT 6
		260-1150	GM 103, 118, 122	260-1426	CHR 15, 19, DT 7
		260-1151	AMC 16, 18-20, IH 26, JEE 18, 19	260-1427	CHR 14, 18, DT 6
		260-1152	CHR 43, DT 24	260-1428	DT 19
		260-1153	CHR 35, 43, DT 22	260-1429	DT 19
		260-1154	DT 24	260-1430	DT 24
		260-1155	CHR 20, DT 8, MIT 4, MZT 7	260-1432	CHR 23, DT 10
		260-1156	CHR 20, DT 8	260-1434	FO 12, 13
		260-1159	NI 18, NIT 4	260-1436	FO 14
		260-1161	FO 12, FOT 5	260-1437	FO 14
		260-1162	FO 12, 13, FOT 5	260-1438	FO 17
				260-1441	FO 31
				260-1442	FO 31
				260-1443	FO 31
				260-1444	FO 31
				260-1445	FO 44
				260-1446	FO 51, FOT 37

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
260-1447	FOT 5	260-1763	NI 13	2611CPA	GMT 10
260-1448	FOT 5	260-1764	FO 2, MZ 5	2619Y20	GMT 10
260-1451	FOT 33	260-1765	FO 10, 11, MZ 14, 15	272AP	FO 42, 44, FOT 29, 33, MER 9, OMC 8
260-1452	FOT 47	260-1766	MZT 5	273AP	FO 42, 44, FOT 29, 33
260-1453	FOT 47	260-1767	IS 10, IST 5	2743PN	DT 26
260-1456	GM 6, TO 7	260-1768	IST 6	2745PN 40	FOT 46, IH 27
260-1457	GM 7, TO 8	260-1769	GM 123, 124	275NP	FO 24, 36, FOT 12, 23
260-1459	GM 17	260-1770	GM 10	2770PN	FOT 43
260-1460	GM 21	260-1779	GM 7, TO 8	2771PN	FOT 46, IH 27
260-1462	GM 26	260-1784	NI 29	2786BF	FO 5, 6
260-1463	GM 26	260-1785	NIT 11	2789Y20	FO 5, 6
260-1464	GM 26	260-1788	HO 10	279P	GM 68, 83, OMC 7
260-1465	GM 30, 47	260-1795	NI 23, NIT 9	2800P	IH 2, 5
260-1466	GM 31, GMT 13	260-1797	NIT 8	285NCP 30	CHM 12, CHR 43, DT 24
260-1467	GM 38	260-1799	MZ 16, MZT 9	285NP	CHM 12, CHR 43, DT 24
260-1469	GM 47	260-1800	MZ 16	287P 30	GM 79
260-1470	GM 50	260-1802	TO 30	288P	GM 34, 97
260-1473	GM 50	260-1804	NI 30	2934Y	VW 1, 5, 6, VWT 1, 4, 5
260-1474	GM 65	260-1805	HO 8	295AP+	GM 75, GMT 38, OMC 9
260-1475	GM 65	260-1812	GMT 1, SZT 3	295P*	GM 75, GMT 38, OMC 9
260-1477	GM 74	260-1818	MZ 11	302NP	FO 19, FOT 8
260-1478	GM 88	260-1820	MZT 4	3045A	GM 54, 55, 74, 81, 91, 109, GMT 46, 53
260-1479	GM 88	260-1839	DT 10, MI 13, MIT 5	3045APA	GM 54, 55, 74, 81, 90, 91, 109, GMT 46, 53
260-1481	GM 94	260-1846	SB 10	3049YA20	GM 74, 91
260-1482	GMT 8	260-1853	MZ 9	3049Y20	GM 90
260-1483	HO 4, 6, 7	260-1855	MZ 8	3055CP	FO 18, 20, 21, FOT 9, 10, 22, SAB 1, 2
260-1485	HO 9, 12	260-2500	GM 57, 63, 64, 66, 71, 73, 75, 80, 88, 104, GMT 29, 30, 32, 36, 38, 40, 44, 45, 51, ST 6	310NP*	GM 80
260-1486	HO 15	260-2501	CHR 14, 15, 18, 19, DT 3, 6, 7	310P+	GM 80
260-1488	HO 17	260-2502	GM 12, 13, 17, 18	311P	GM 33, GMT 14, ST 2
260-1490	NI 12	260-2503	FO 3, 4, 7	3-1140RA	GM 1, 2, SZ 1, 2
260-1495	NI 29, 32	260-2504	GM 26, GMT 8	3-1180CP	DAI 1
260-1498	NIT 11	260-2505	CHR 14, 15, DT 3	3150CPA	FO 35, FOT 20, 31
260-1499	TO 5	260-2506	GM 21	3190A	GM 85, 100, 108, 110, 115, 119, GMT 43, 50, 52, 54, MER 14-16
260-1500	TO 6	260-2507	GMT 49	32NP	CHM 7-9, CHR 29, 31, 33, DT 18, 20
260-1501	TO 6	260-2508	GM 30	3204DR	MER 7
260-1502	TO 18	260-2509	FO 21, FOT 10, 22	322NP 30	CHR 35, DT 22
260-1503	TO 23, TOT 8, 9	260-2510	FO 12, 13, FOT 5	3230CP	FO 47, 52, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44
260-1504M	MER 1, OMC 1	260-2511	FO 31, FOT 17	3310CPA	AMC 3, 8, 9, 11, 13, 14, 16, 18, CHR 17, IH 9, 14, JEE 5, 12-15, 18
260-1505M	MER 1, 2, OMC 1, 2	260-2513	CHR 20, 21, DT 8, MI 12, MIT 4, MZT 7	332AP	GM 91
260-1506M	MER 2, OMC 2	260-2514	GM 30	3320CP	GM 103, 106, 107, 114, 118, 122
260-1508M	MER 6, OMC 4	260-2515	FO 22, FOT 11	3345P	GM 94, 96, 99, 101, 102, 112, 113, 120, 123, 124, GMT 55
260-1509M	MER 7, OMC 5	260-2516	CHR 23, DT 10, MI 13, MIT 5	336P	FO 51
260-1510M	MER 8, 11, OMC 6, 9	260-2518	GM 26	3360CPA	FO 63, 65, FOT 45, 47
260-1516M	MER 12, OMC 10, VOM 2	260-2519	FO 31, 32	3380A	FO 51, FOT 37, MER 13, OMC 11
260-1517M	MER 12, OMC 10, VOM 2	260-2520	CHR 25, DT 12	3380CPA	FO 51, FOT 37, MER 13, OMC 11
260-1518M	MER 14, 15	260-2523	GM 1, 2, SZ 1, 2	340P 30	GM 86
260-1519M	MER 14, 15	260-2526	GM 47	3400CP	FO 49, 50, 57, FOT 36, 42
260-1520M	MER 15	260-2528	FO 23	344P 20	GM 120
260-1526	FOT 3	260-2530	GM 20	345NP	GM 88, GMT 44, MER 12, VOM 2
260-1527	DT 26	260-2532	GM 29, 31	3461AFA	FO 8
260-1549	CHR 15, 19, DT 7	260-2533	GM 38, 47	350NP 30	CHR 58
260-1556	FOT 11	260-2534	GM 29, 31, 32	350P 30+	CHR 58
260-1559	FOT 33	260-2535	GM 1, 2	351NP	GM 123
260-1560	FO 1	260-4001	GM 54, 74, 91, 109, GMT 53	352AP 30*	FO 35, FOT 20, 31
260-1563	GM 26	260-4004	FO 50, 57, FOT 36, 42	352NP	FO 35, FOT 20, 31
260-1566	GM 47	260-4005	FO 65, FOT 47	354P	FO 62, FOT 44
260-1569	GM 49, GMT 21	260-4006	GM 35, 47, 48, GMT 20	3545A	FO 12, 13, FOT 3, 5
260-1571	CHR 43, 45, DT 24	260-4008	AMC 13, 14, 16, 18-20, IH 26, JEE 15, 18, 19	3567AF	FOT 1, 2, MZ 4, 10, MZT 1-3
260-1605	NIT 8	260-4009	FO 49	3569Y	FOT 1, 2, MZ 4, 10, MZT 1-3
260-1612	FO 32	260-4010	GM 81, 91	357P 20	GM 87
260-1616	CHR 14, 18, DT 6	260-4011	CHR 49, 52, 53, 55, DT 29, 30	3571BF	GM 14, GMT 2, 3, IS 6-10, IST 1, 2, 5, 6, OP 3
260-1617	GM 90, GMT 46	260-4012	GM 86, JEE 17	362NCP 30	AMC 18, JEE 18
260-1619	GMT 49	260-4013	GM 103, 118, 122	362NP	AMC 18, JEE 18
260-1637	GM 1, SZ 1	260-4014	GM 30, 47, 48, 53, GMT 20	366NP	CHR 53, DT 29
260-1638	GM 9, IS 4	260-4015	GM 94	3665P	GM 3, 11
260-1640	GM 1, 2	260-4017	GM 74	368P	GM 118
260-1643	GM 18	260-4018	GM 30	369P	GM 120
260-1646	CHR 25, DT 12	260-4019	CHR 52, 53, 56-58, DT 31	3695RA	CHM 5, CHR 27, DT 15
260-1652	FOT 22	260-4021	GM 101, 102, 113, 120	37P	CHM 4, 6, CHR 26, 28, DT 13, 17
260-1672	FOT 43	260-4023	GM 122	3750P	GM 37, 44, GMT 15, 18, MER 4
260-1673	FOT 46, IH 27	260-4024	GM 120, GMT 55	3755A	GM 30, 35, 38, 47, 48, 53, GMT 20
260-1701	CHR 2, MI 1	260-4028	GM 29, 31, 32	3760A	GM 38, 47
260-1703	CHR 9, MI 5	260-4029	FOT 43, 46, IH 27	3800CPA	CHR 14-16, 18, 19, DT 3, 6, 7
260-1704	CHR 4, 5, 12, 13, MI 2, 3, 9, 10	260-4030	CHR 25, DT 12	3805A	FO 3, 4, 7
260-1709	DT 5, MI 11, MIT 3	260-4031	FOT 47		
260-1714	TOT 12	260-4034	CHR 52, 53, 55		
260-1717	GM 100, 108, 115, 119	260-4035	CHR 56-58		
260-1720	FO 44	2610CPA	GMT 10		
260-1733	HO 21	2611AF	GMT 10		
260-1734	HO 21				
260-1750	TO 20				
260-1754	NI 23, NIT 9				
260-1760	HO 16				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
381NP*	FO 56, 59, FOT 41	381-8050	CHR 14-16, 18, 19, DT 3, 6, 7	4020P+	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7
381P+	FO 56, 59, FOT 41	381-8051	CHR 20, 21, DT 8	403CP 30	GM 51, GMT 26, MER 6, OMC 4
3810CP	FOT 43, 46, IH 27	381-8053	FO 31, 32, FOT 17	403P	GM 51, GMT 26, MER 6, OMC 4
3814Y20	FOT 43, 46, IH 27	381-8054	GM 16	4036M	GM 85, 110, GMT 43
381-4010	FO 27, 37, 40, 42, 44, 51, FOT 24, 29, 33, 37	381-8056	FOT 43, 46, IH 27	4040M	GM 79, 87, 97, 105
381-4011	GM 57, 63, 64, 66, 71, 73, 75, 80, 88, GMT 30, 32, 36, 38, 40, 44, 45, MER 8, 12, OMC 6, 9, 10, ST 6, VOM 2	381-8057	GMT 49	405CP	CHM 15, CHR 51, DT 27
381-4012*	GM 29, GMT 12, IST 7, JEE 7	381-8058	GM 58, GMT 28	405P	CHM 15, CHR 51, DT 27
381-4013*	FO 35, FOT 20, 31, 32	381-8059	GM 73, 88, 89, GMT 36, 44, MER 10, VOM 1	4056M	FO 26, 29, FOT 13, 15, 27
381-4014	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 22, 24, 27, 28	381-8060	CHR 25, DT 12	406AP	CHM 18, CHR 55, DT 30
381-4015	FO 47, 52, 53, 56, 58, 59, 61, 62, FOT 34, 35, 38-41, 44	381-8061	DT 19	4063M	GM 22, 24, 28, GMT 7, 11
381-4017	GM 100, 108, 115, 119, GMT 48, 50, 52, 54	381-8062	FO 2-4, 7	4067MA	GMT 37, 47
381-4018	FO 49, 50, 57, FOT 36, 42	381-8063	FO 14, 17	4070M	IH 2, 5, 17, 19-22, 24
381-4020*	GM 54, 74, 81, 90, 91, 101, 102, 109, 113, 116, 120, 121, GMT 46	381-8064	FO 21, FOT 10	409P	AMC 9, 11, IH 9, 14, JEE 12, 14
381-4021	FO 63-66, FOT 45, 47	381-8065	HO 9-12, 15, 17-19	4092M	CHM 2, 5, CHR 22, 24, 27, DT 9, 11, 15
381-4022*	FO 12, 13, FOT 3, 5	381-8067	MZ 10, MZT 3	4093M 10	IH 8, 11, 16
381-4023*	GM 30, 35, 47, 48, 53, GMT 20	381-8068	NI 8, 9, 12	4094M	CHM 16-18, CHR 49, 52, 53, 55, DT 29, 30
381-4028*	GM 69, 70, 79, 87, 97, 105, 111	381-8070	TO 4, 6-8	4096MA	GM 39, 40, ROV 2, SM 5
381-4031	CHR 52, 53, 55-58, DT 29-31	381-8071	FOT 31, 32	4-1025PA	GM 6, 7, TO 4, 6-8
381-4036*	NI 10, 15	381-8072	FO 22, FOT 11	4-1035CP	FO 14, 17
381-8000	AMC 6, 8, 9, 11, IH 9, 14, JEE 11, 12, 14	381-8073	GM 30, 47, 48	4-1060CP	TOT 13
381-8001	AMC 13, 14, 16, 18-20, JEE 15, 18, 19	381-8074	GM 26, GMT 8	411NP	GM 105
381-8002	GM 83, 86	381-8083	IH 17, 19-22, 24	4-1140RA	SZ 3, 4, SZT 2
381-8003	GM 103, 118, 122	381-8084	JEE 13	4-1145CP	GM 4, 5, IS 1, 2
381-8004	GM 94, 112, 117, 123, 124	381-8085	GM 31, 32, GMT 13	412P	GM 115
381-8006	GM 27, 33, 45, 46, 51, 52, GMT 14, 19, 26, 34, 35, MER 1, 2, 6, OMC 1, 2, 4	381-8086	AMC 3, CHR 17, JEE 5	4123MA	GM 27, GMT 9, MER 1, 2, OMC 1, 2
381-8007	GM 57, 63, 64, 66, 71, 73, 75, 80, 88, GMT 30, 32, 36, 38, 40, 44, 45, MER 8, 12, OMC 6, 9, 10, ST 6, VOM 2	381-8087	GM 17, 18	4124MA	GM 33, 41, 45, 46, 51, 52, GMT 14, 19, 26, 34, MER 5, 6, OMC 4, ST 2
381-8008	GM 104, GMT 51	381-8090	CHR 23, DT 10, MI 13, MIT 5	4-1245CP	NI 14, 16, 17, 20
381-8009	GM 100, 108, 115, 119, GMT 48, 50, 52, 54, MER 14-16	381-8091	TO 18-20	4125M	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8
381-8010	CHM 11, 12, 14, 15, CHR 35, 43, 47, 51, DT 22, 24, 27, 28	381-8092	NI 29, 32, NIT 11	4125MA	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8
381-8011	CHM 16-18, 21, CHR 52, 53, 55-58, DT 29-31	381-8093	NI 19, 22, 23, NIT 7-9	4-1280CP	NIT 12
381-8012	CHM 5, CHR 22, 24, 27, DT 9, 11, 15	381-8094	NI 13, 20	413AP*	FO 63, FOT 45
381-8013	FO 15, 16, 19, 24, 36, FOT 7, 8, 12, 23	381-8095*	CHR 2, GM 4, 5, IS 1, 2, MI 1	413NP+	FO 63, FOT 45
381-8014	FO 35, FOT 20, 31, 32	381-8096	TO 5	4130M	FO 60, 64, 66
381-8015	FO 27, 37, 40, 42, 44, 51, FOT 24, 29, 33, 37, MER 9, 13, OMC 8, 11	381-8097	TO 24, 28, 29, TOT 12	4-1305RA	PEU 4, 5
381-8016	FO 47, 52, 53, 56, 58, 59, 61, 62, FOT 34, 35, 38-41, 44	381-8098	MI 12, MIT 4, MZT 7	4-1384Y20	BMW 2-5
381-8017	FO 63-66, FOT 45, 47	381-8099	CHR 11, DT 2, 5, MI 6-9, 11, MIT 1, 3	4-1400AA	FO 7
381-8018	GMT 37, 47	381-8100	FO 10, 11, MZ 11-15, MZT 4-6	4-1470CP	SAB 3-6
381-8019	GM 74, 81, 90, 91, 101, 102, 113, 120, GMT 46	381-8101	IS 10, IST 5	4-1490CPA	GM 12, 13, 17, 18
381-8020	GM 79, 87, 97, 105, 111, 116, 121	381-8102	IST 6	4-1495CP	HO 15-17, 19
381-8021	CHR 6, 7	381-8103	VW 12-14	415CP	AMC 20, IH 26, JEE 19
381-8023	NI 1, 4, 6, 7	381-8104	MZ 8, 9	415M	CHM 4, 6, CHR 26, 28, DT 13, 17
381-8025	NI 18, NIT 3, 4	381-8106	MZ 16, 17, MZT 9	4-1510CP	HO 4
381-8026	NI 24-27	381-9654*	FO 31, 32, FOT 17	4-1520CP	HO 6-10
381-8027	FO 8	381-9667*	NI 29, 32, NIT 11	4-1540A	GM 21
381-8028	FO 9	381-9674*	JEE 13	416P	FO 51, FOT 37
381-8029	FO 9, 12, 13, FOT 3, 5, 6	381-9676*	GM 37, 44, 58, 59, GMT 15, 18, 28	4-1610CP	TO 5
381-8030	FO 20, FOT 9	3830A .026MM	FO 31, FOT 17	417NP 30	GM 121
381-8031	FOT 1, 2, MZT 2	3830CPA	FO 31, 32, FOT 17	4176AF	FO 1, 2, MZ 5-9
381-8032	HO 5-7, 13, 14	3860P	GMT 49	4-1825CP	HO 18, 20, 21
381-8034	TO 9, 10	3863Y	GMT 49	4191AF	GMT 1, SZT 3
381-8035	GM 30, 35, 47, 48, 53, GMT 20	3864YA20	GMT 49	4-2020CP	GM 15, 16, 19, 20, 23, 27, GMT 4, 6, 9, MER 1, OMC 1
381-8036	AMC 2, AUD 1-4, CHR 3, VW 2, 3, 9, VWT 2	3864Y20	GMT 49	4205CP	DT 26, GMT 24
381-8037	GM 54, 55	3870RA	GM 50, 65	4206DR	DT 26
381-8039	GM 69, 70	3911AF	MZ 2, 3	4213M	VW 1, 5, 6, VWT 1, 4, 5
381-8040	GM 3, 6, 7, 11	3916AF	TO 11, 12, 16	4221M	GM 111, 116, 121
381-8042	TO 21, 23, TOT 6, 8, 9	392AP	GM 122	4222M	FO 15, 19, 24, FOT 7, 8
381-8043	TOT 15	3921AF	TOT 5, 10, 11	423NP	GM 88, GMT 44, MER 12
381-8045	AMC 4, GM 26, GMT 8, JEE 6	3926AF	GM 6, 7, TO 4, 6-8	4-2380CP	FO 14
381-8046	GM 29, GMT 12, JEE 7	3952BF	GMT 22, 23, IST 8, 9	424NP	CHR 58, DT 31
381-8047	GM 109	3956BF	TO 24, TOT 12	424P	CHR 58, DT 31
381-8048	TO 22, 25-27	397P	FO 8	425NP*	FO 49
381-8049	GM 37, 44, 58, 59, GMT 15, 18, 28	3971AF	FOT 4, MZT 6	425P+	FO 49
		399P 30	GMT 45, OMC 10	4-2500RAA	AMC 4, GM 26, GMT 8, JEE 6
		4KH547CP 60	AMC 4, GM 26, GMT 8, JEE 6	4-2500RAA 10x2	AMC 4, GM 26, GMT 8, JEE 6
		4K12306P .50MM	MZ 11, MZT 4	4-2514X	PEU 2, 3, 6
		4K12326P	TO 23, TOT 8	4261M	FO 52, 56, 59, 61, 62, FOT 38, 39, 41, 44
		4K12886CP .50MM	TOT 8	4265M	GM 106, 107, 114
		4K12886P .50MM+	TOT 8	427P	FO 57, FOT 42
		4K13013P	NIT 8	4-2785CP	FO 5, 6
		4K13584P	HO 16	428P	CHR 47
		4K13586P	HO 12	4281M	GM 54, 74, 81, 91, 109, GMT 53
		4K13598PA	NI 23	4-2865RA	PEU 1-3, 6
		4K546P	FO 1	4289M	AMC 8, 9, 11, IH 9, 14, JEE 12-14
		4K636P	MZT 5	4290M	FO 24, FOT 12
		400AP	GM 104, GMT 51	4-2930CP	VW 1, 5, 6, VWT 1, 4, 5, 11, 13
		4009M	CHR 54		
		4010M	AMC 10, 12, 15, JEE 16		
		402P	GM 108, GMT 52		
		4020A	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7		
		4020M	FO 47, 52, 56, 58, 61, FOT 35, 38		

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
4294M	GM 55, 90, 101, 102, 113, 120, GMT 46, 55	4664M	GM 103, 118, 122	505-1024D	GM 73
4-2965CP	BL 1-7	4-66620CP	VOL 3-5	505-1026A	GM 73
4-3055CP 10	SAB 1, 2	4-66675P	CHR 10, 20, 21, DT 1, 4, 8, FOT 6, MI 12, MIT 2, 4, MZT 7	505-1026C	GM 73
433NP	FO 20, FOT 9	4-66755CP	SZT 1	505-1026E	GM 73, GMT 36
4-3310CPA	AMC 3, CHR 17, JEE 5	4-66780CP	NI 8, 9, 12, 13	505-1027A	GM 73
4338F	VOL 5, 7	4-67015CP	NI 11, 21	505-1027C	GM 73
4-3460RA	FO 8	4-67019Y	NI 21	505-103C	CHR 27, DT 15
4-3485CP	CHR 4-7, 9, 11-13, DT 2, 5, MI 2-11, MIT 1, 3	4-67230CP	NI 10, 15, 18, 19, 22, NIT 2-5, 7, 8	505-1036A	GMT 34
4-3545A	FO 12, 13, FOT 3, 5	4-67260CP	NIT 6, 10	505-1037A	GMT 44
4-3570CPB	GMT 2, 3, IS 6, 8-10, IST 1, 2, 5, OP 3	4-67269Y	NIT 6, 10	505-1037C	GMT 44
4-3574Y	GMT 2, 3, IS 6, 8-10, IST 1, 2, 5, OP 3	4-67270CP	TO 1-3	505-104A	CHR 27, DT 15
4-3665P	GM 3, 11	4-67275CP	TO 9, 10	505-106A	GMT 34
4-3800CPA	CHR 14-16, 18, 19, DT 3, 6, 7	4-67284Y	MIT 6	505-106C	GMT 34
4-3805A	FO 3, 4, 7	4-67304Y	TOT 5, 10	505-107A	GMT 34
4-3895RA	TO 17-19	4-67309Y	FO 9, MZ 12	505-108A	FO 24, FOT 12
4-3899Y	TO 18-20	4-67314Y	GM 14, IS 7	505-108D	FO 24
4-3910RA	FO 1, MZ 2, 3	4-67320CP	NI 1, 3, 4, 6, 7	505-1086C	GMT 54
4-3915CP	TO 11	4-67340CP	HO 1-3	505-1087A	FOT 31
4-3920CP	TOT 5, 10	4-67345CP	HO 5, 13, 14	505-1092A	JEE 13
4-3925P	TO 4, 6, 7	4-67365RA	SB 1, 3-9, SBT 1, 2	505-1093A	CHR 14
4-3930RA	TOT 11	4-68150CP	AUD 2, 3, 6, VW 7, 8, 12, 13, VWT 6	505-1093C	CHR 18, DT 6
4-3955RA	CHR 1, 2, MI 1	4-68304Y	DT 4, FOT 6, MIT 2	505-1097A	CHR 18, DT 6
4-3960CPA	TO 13, 15, 21, 23, TOT 1, 3, 6, 8, 9	4693F	NI 13	505-1098A	DT 19
4-3964Y	TO 15, 21, 23, TOT 3, 6, 8	470AP*	AMC 11, JEE 14	505-1098C	DT 19
4-3970CP	FOT 4, MZT 6	470NP	AMC 11, JEE 14	505-1099C	DT 19
4-3975P	FO 9-11, MZ 11-15, MZT 4, 5	472NP*	GM 74	505-1103C	FO 7
4-3980RA	TOT 4, 7	472P+	GM 74	505-1106A	FO 14
4400MA	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 14-16	473P 30	GM 112	505-1107A	FO 14
4-4000CP	GMT 5, IST 3, 4, JEE 4	474P 1.00MM	GM 11	505-1110B	FO 22
4-4005P	FOT 1, 2, MZ 10, MZT 2, 3	475NP	GM 37, GMT 15	505-1111A	FO 31
4-4175CP	FO 2, MZ 5-9	476P	FO 5	505-1111C	FO 31
4418M	GM 83, 86, JEE 17	4775A	SB 10, 11	505-1112B+	FO 31
4-4180CP	MER 3	4785P	TO 30	505-1112C	FO 31
4419M	GM 98, 117	4786F	TO 30	505-1113B	FO 31
4-4190CP	GMT 1, SZT 3	481P	FO 31, FOT 17	505-1113C	FO 31
4-4200RA	MZT 8	485M	CHM 7-9, CHR 29, 31, 33, DT 14, 16, 18, 20	505-1114B+	FO 31
4-4205CP	GMT 24	4865M	FO 6	505-1114C	FO 31
4-4210CP	GM 10	488P .50MM	FO 3	505-1115A	FO 44
4-4245CP	NI 2, 5, NIT 1	489P	FO 14	505-1116A	FO 51, FOT 37
4-4335CP	VOL 5-7	490P .50MM	FO 31	505-112C	FOT 20
4-4450P	TO 20	4906MA	GM 94, 112, 123, 124	505-112D	FOT 20
4-4455RA	GM 8, 9, IS 3-5	4907M	FO 63, 65, FOT 45, 47	505-112E	FOT 31
4-4460P	NI 23, NIT 9	4916F	MZ 16, 17, MZT 9	505-1120A	FOT 11
4-4465P	AUD 7, VW 12, 14, 16	4916M	FO 35, 36, FOT 20, 23, 31	505-1121A	FOT 33
4-4470P	HO 11, 12	4923MA	CHM 11, 14, CHR 35, 37, 39-41, 43, 45, 47, DT 22	505-1121C	FOT 33
4-4475RA	CHR 2, MI 1	4924MA	CHM 19-21, CHR 53, 56-58, DT 31	505-1123A	FOT 47
4456F	GM 8, 9, IS 3-5	4925M	FO 49	505-1124A	FOT 47
4-4560P	MB 2	4926MA	GM 104, GMT 51	505-113C	GM 119, GMT 54
4-4595P	IST 6	4940P	NI 33	505-113E	GM 119, GMT 54
4464Y	NI 23, NIT 9	4941F	NI 33	505-1131A	GM 20
4469Y	AUD 6, VW 12, 16	4948MA	CHM 15, CHR 51, DT 27	505-1134A	GM 26
4481F	HO 22	495P	FO 12, FOT 5	505-1135A	GM 26
450NP	GM 47, GMT 20	4950M 10	AMC 19, 20, IH 26, JEE 19	505-1136A	GM 26
451P	FO 50, FOT 36	4979M	FO 12, 13, FOT 3, 5	505-114A	GM 51, GMT 26
454NP	GM 73, GMT 36, MER 10, VOM 1	4-9955SB	JEE 2, 3	505-114C	GM 51, GMT 26
456NP*	AMC 9, 11, JEE 12, 14	4999MA	CHM 15, CHR 51, DT 27	505-114D	GM 45, GMT 19
456P	AMC 9, 11, JEE 12, 14	502NP*	GM 50	505-114E	GMT 26
4561F	MB 2, 4-8, 12	502P+	GM 50	505-114F	GMT 26
457P 30	GM 26	5024MA	CHM 12, CHR 43, DT 24	505-114G	GM 51, GMT 26
4575P	SB 2	5025MA	CHM 19, 21, CHR 58, DT 31	505-114H	GMT 26
460P	GM 100, GMT 50	5027M	FOT 1, 2, MZ 4, 10, MZT 1-3	505-1148A	GM 74
4600P	GM 7, TO 8	5028M	GMT 2, 3, IS 6, 8, IST 1, 2, OP 3	505-1148D	GM 74
4604Y	TO 8	5035M 10	FO 8	505-115A	GM 51, GMT 26
4-60985RA 10	FIA 1-4, YU 1, 2	5037M	AMC 13, 14, 16, 18, 19, JEE 15, 18	505-115E	GMT 26
463P	FO 51, FOT 37, MER 13, OMC 11	505-1002A	FOT 33	505-1151A	GM 88
464CP	GM 29, GMT 12, IST 7, JEE 7	505-1003A	FOT 47	505-1153A	GM 88
464P	GM 29, GMT 12, IST 7, JEE 7	505-1007A	GM 26, GMT 8	505-1155A	GMT 8
465AP*	AMC 4, GM 26, JEE 6	505-1008A	GM 26	505-1156A	GMT 44
465NP	AMC 4, GM 26, JEE 6	505-1009A	GM 27	505-1156C	GMT 44
4-65545CP	BMW 1-5	505-1010A	GM 27	505-1156D	GMT 44
4659M 10	FIA 1-4, 8, YU 1, 2	505-1011A	GM 29, GMT 12	505-116A	GMT 26
466NP	GM 109	505-1011C	GMT 12	505-118A	GM 104
466P+	GM 109	505-1012A	GM 29	505-1183A	GM 31
4-66240RA	FIA 7, 9, 10	505-1015E	GM 47	505-1184A	GMT 13
4663M	GM 57, 64, 71, 73, 75, 80, 88, GMT 30, 36, 38, 40, 44, 45, MER 10-12, OMC 9, 10, VOM 1, 2	505-1019A	GM 58	505-1184B	GMT 13
4663MA	GM 57, 64, 71, 73, 75, 80, 88, GMT 30, 36, 38, 40, 44, 45, MER 10-12, OMC 9, 10, VOM 1, 2	505-102A	CHR 22, 24, 27, DT 9, 11, 15	505-1184C	GM 31
		505-1020A	GM 58	505-1186A	FOT 3
		505-1021A	GM 58	505-119A	GM 66, GMT 32
		505-1023A	GM 73	505-119C	GM 66, GMT 32
		505-1024C	GM 73	505-119D	GM 66, GMT 32, ST 6
				505-119E	GM 66
				505-119F	GM 66, GMT 32
				505-119G	GM 66

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
505-120A	GM 75, GMT 38	505-216A	JEE 14	505-6094D	CHR 15
505-1205A	CHR 18, DT 6	505-217C	CHR 43	505-6097A	CHR 18, DT 6
505-1205B	CHR 18, DT 6	505-218A	CHR 43, DT 24	505-6098A	DT 19
505-1212A	FOT 11	505-218D	CHR 43, DT 24	505-6098C	DT 19
505-1215A	FOT 33	505-218H	CHR 43, DT 24	505-6099C	DT 19
505-1217A	CHR 14	505-218J	CHR 43	505-6103C	FO 7
505-122C	DT 27	505-218K	CHR 43	505-6105A	FO 12
505-124G	FO 50	505-218L	CHR 43, DT 24	505-6106A	FO 14
505-124J	FOT 36	505-224A	GM 47	505-6107A	FO 14
505-124M	FO 57	505-227C	JEE 7	505-6110A	FO 22
505-124P	FO 57, FOT 42	505-228C	JEE 7	505-6111A	FO 31
505-125A	FO 51	505-228E	GM 29, GMT 12	505-6111C	FO 31
505-125C	FO 51	505-228G	GM 29	505-6112B+	FO 31
505-125D	FO 51	505-239A	GMT 26	505-6112C	FO 31
505-1250A	FOT 33	505-239C	GMT 26	505-6113B	FO 31
505-1251A	FOT 33	505-239D	GMT 26	505-6113C	FO 31
505-1251C	FOT 33	505-243A	CHR 43, DT 24	505-6114B+	FO 31
505-1253A	FOT 33	505-244C	DT 24	505-6114C	FO 31
505-1263A	FOT 22	505-252A	FO 12, FOT 5	505-6115A	FO 44
505-1264A	FOT 22	505-257A	FO 31, FOT 17	505-6116A	FO 51, FOT 37
505-127A	FO 51, FOT 37	505-258A	FO 31	505-612C	FOT 20
505-127C	FO 51, FOT 37	505-260A	FO 44, FOT 33	505-612D	FOT 20
505-127D	FO 51	505-261A	FO 51, FOT 37	505-612E	FOT 31
505-130A	GM 80	505-261C	FO 51, FOT 37	505-6120A	FOT 11
505-130C	GM 88, GMT 44	505-261D	FO 51, FOT 37	505-6121A	FOT 33
505-130D	GM 88, GMT 44	505-263A	FOT 5	505-6121C	FOT 33
505-130E	GMT 40	505-265C	FOT 31	505-6123A	FOT 47
505-130F	GMT 44	505-267A	FOT 47	505-6124A	FOT 47
505-132G	CHR 58	505-268A	FOT 47	505-613C	GM 119, GMT 54
505-1329A	CHR 23, DT 10	505-274A	FOT 37	505-613E	GM 119, GMT 54
505-133A	GM 74	505-274C	FOT 37	505-6131A	GM 20
505-134A	GM 86	505-358A	AMC 3, JEE 5	505-6132C	GM 21
505-134C	GM 86	505-359A	CHR 17, JEE 5	505-6134A	GM 26
505-137A	FO 63, FOT 45	505-360A	JEE 14	505-6135A	GM 26
505-137C	FO 63	505-369C	CHR 14, DT 3	505-6136A	GM 26
505-137D	FO 65	505-383A	FO 14	505-614A	GM 51, GMT 26
505-137E	FO 65, FOT 47	505-386A	FO 31	505-614C	GM 51, GMT 26
505-1373A	GM 26	505-388A	FO 44	505-614D	GM 45, GMT 19
505-1374A	GM 26	505-391A	FOT 3	505-614E	GMT 26
505-1377	DT 24	505-396A	FOT 5	505-614F	GMT 26
505-138A	GM 91	505-398C	FOT 10	505-614G	GM 51, GMT 26
505-139C	GM 91	505-6002A	FOT 33	505-614H	GMT 26
505-140C	GM 105	505-6003A	FOT 47	505-6140A	GM 38
505-140E	GM 105	505-6004A	FOT 43	505-6141A	GM 47
505-146A	FO 12, FOT 5	505-6006A	GM 16	505-6141E	GM 47
505-147A	GMT 36	505-6007A	GM 26, GMT 8	505-6148A	GM 74
505-148A	GM 73, GMT 36	505-6008A	GM 26	505-6148D	GM 74
505-148D	GM 73	505-6009A	GM 27	505-615A	GM 51, GMT 26
505-150E	GM 47, GMT 20	505-6010A	GM 27	505-615E	GMT 26
505-153A	FO 42	505-6011A	GM 29, GMT 12	505-6151A	GM 88
505-153D	FO 42, 44, FOT 33	505-6012A	GM 29	505-6153A	GM 88
505-153F	FO 44, FOT 33	505-6015E	GM 47	505-6155A	GMT 8
505-153G	FO 44	505-6019A	GM 58	505-6156A	GMT 44
505-153H	FO 44, FOT 33	505-602A	CHR 22, 24, 27, DT 9, 11, 15	505-6156C	GMT 44
505-153J	FO 42	505-6020A	GM 58	505-6156D	GMT 44
505-153L	FO 42	505-6021A	GM 58	505-616A	GMT 26
505-158A	GM 88, GMT 44	505-6023A	GM 73	505-618A	GM 104, GMT 51
505-158C	GMT 44	505-6024C	GM 73	505-618C	GMT 51
505-160A	GMT 54	505-6024D	GM 73	505-6183A	GM 31
505-161A	GM 108, GMT 52	505-6026A	GM 73	505-6184A	GMT 13
505-162A	GM 80	505-6026C	GM 73	505-6184B	GMT 13
505-162C	GM 80	505-6026E	GM 73, GMT 36	505-6184C	GM 31
505-162E	GM 80	505-6027A	GM 73	505-6186A	FOT 3
505-162F	GM 80	505-6027C	GM 73	505-619A	GM 66, GMT 32
505-183C	CHR 51, DT 27	505-603C	CHR 27, DT 15	505-619C	GM 66, GMT 32
505-186A	GM 100	505-6036A	GMT 34	505-619D	GM 66, GMT 32, ST 6
505-186C	GM 100, GMT 50	505-6037A	GMT 44	505-619E	GM 66
505-192A	GM 44, GMT 18	505-6037C	GMT 44	505-619F	GM 66, GMT 32
505-195A	GM 109	505-604A	CHR 27, DT 15	505-619G	GM 66
505-199A	GMT 12, JEE 7	505-606A	GMT 34	505-620A	GM 75, GMT 38
505-199C	GM 29	505-606C	GMT 34	505-6205B	CHR 18, DT 6
505-2000*	GM 31	505-607A	GMT 34	505-6205C	CHR 14
505-2001*	GM 31	505-608A	FO 24, FOT 12	505-6206A	CHR 25, DT 12
505-2002*	GM 31	505-608D	FO 24	505-6212A	FOT 11
505-2012*	GMT 28	505-6084A	GMT 49	505-6215A	FOT 33
505-2032*	FO 14	505-6086C	GMT 54	505-6217A	CHR 14
505-2033*	FOT 11	505-6087A	FOT 31	505-622C	DT 27
505-2050*	CHR 17, JEE 5	505-6091A	FOT 46, IH 27	505-6222A	GM 47
505-2053*	JEE 13	505-6092A	JEE 13	505-624G	FO 50
505-2058*	CHR 14	505-6093A	CHR 14	505-624J	FOT 36
505-2059*	CHR 18, DT 6	505-6093C	CHR 18, DT 6	505-624M	FO 57
505-213A	CHR 47	505-6094A	CHR 19, DT 7	505-624P	FO 57, FOT 42
505-215A	JEE 18	505-6094C	CHR 15	505-625A	FO 51

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
505-625C	FO 51	505-717C	CHR 43	533M	FO 28, 34, FOT 14, 19
505-625D	FO 51	505-718A	CHR 43, DT 24	533P	CHR 15, 18, DT 6
505-6250A	FOT 33	505-718C	CHR 43, DT 24	534NP	GM 73
505-6251A	FOT 33	505-718H	CHR 43, DT 24	536NCP 20	GM 73, GMT 36, MER 10
505-6251C	FOT 33	505-718J	CHR 43	536NP	GM 73, GMT 36, MER 10
505-6253A	FOT 33	505-718K	CHR 43	540P 1.00MM	GM 16
505-6257A	GMT 49	505-718L	CHR 43, DT 24	541P	FO 2, MZ 5
505-6263A	FOT 22	505-724A	GM 47	5412X	GMT 27
505-6264A	FOT 22	505-727C	JEE 7	545CP .75MM	GM 29
505-627A	FO 51, FOT 37	505-728C	JEE 7	545P	GM 29
505-627C	FO 51, FOT 37	505-728E	GM 29, GMT 12	546P	FO 1
505-627D	FO 51	505-728G	GM 29	550P	GM 88
505-630A	GM 80	505-739A	GMT 26	5576KX	IH 16
505-630C	GM 88, GMT 44	505-739C	GMT 26	558M	JEE 2, 3
505-630D	GM 88, GMT 44	505-739D	GMT 26	5-61980RA	MB 9-11
505-630E	GMT 40	505-743A	CHR 43, DT 24	5659KX	GMT 37
505-630F	GMT 44	505-744C	DT 24	5-68095CP	AUD 10, 11, VW 17
505-632G	CHR 58	505-746C	CHR 20	569P	GM 20
505-6329A	CHR 23, DT 10	505-752A	FO 12, FOT 5	571CP	CHR 18, DT 6
505-633A	GM 74	505-753A	FO 12	572P	GM 65
505-6339B	FO 32	505-757A	FO 31, FOT 17	573P	GM 65
505-634A	GM 86	505-758A	FO 31	574CP	CHR 25, DT 12
505-634C	GM 86	505-760A	FO 44, FOT 33	584P	GM 9
505-6369	DT 19	505-761A	FO 51, FOT 37	592P .75MM	GMT 3, IS 8, IST 2
505-637A	FO 63, FOT 45	505-761C	FO 51, FOT 37	599P 40	GM 51
505-637C	FO 63	505-761D	FO 51, FOT 37	6KH497P .50MM	FO 22, FOT 11
505-637D	FO 65	505-763A	FOT 5	6KH519P 30	FOT 31
505-637E	FO 65, FOT 47	505-765C	FOT 31	6KH523CP .50MM	FO 31
505-637F	FOT 47	505-768A	FOT 47	6KH570P .50MM	FOT 22
505-6373A	GM 26	505-774A	FOT 37	6KH834CP	CHR 23, DT 10, MI 13, MIT 5
505-6374A	GM 26	505-774C	FOT 37	6K13588CP	MZ 16, MZT 9
505-6377	DT 24	505-858A	AMC 3, JEE 5	6K13601P	NI 30
505-6379*	GMT 13	505-859A	CHR 17, JEE 5	6K450NP 30	GM 47, GMT 20
505-6382A	GM 47	505-860A	JEE 14	6K464CP .75MM	GM 29, GMT 12, IST 7, JEE 7
505-639C	GM 91	505-868C	CHR 15	6K470NP 30	AMC 11, JEE 14
505-640E	GM 105	505-869C	CHR 14, DT 3	6K520P .75MM	FO 21, FOT 10
505-646A	FO 12, FOT 5	505-878A	FO 12	6K640P 30	GM 58, GMT 28, MER 7
505-647A	GMT 36	505-878C	FO 12	6XH519P 20	FOT 31
505-648A	GM 73, GMT 36	505-879A	FO 13	6X640P 30	GM 58, GMT 28, MER 7
505-648D	GM 73	505-879C	FO 13	60476BF	AMC 1, REN 1-5
505-650E	GM 47, GMT 20	505-880A	FO 13	609P	GM 124
505-653A	FO 42	505-883A	FO 14	60987AF	FIA 1-4, 6, 8, LAD 2, YU 1, 2
505-653D	FO 42, 44, FOT 33	505-886A	FO 31	6101MA	FO 18, 20, 21, FOT 9, 10
505-653F	FO 44, FOT 33	505-888A	FO 44	6-1020A	GM 58, GMT 28, MER 7
505-653G	FO 44	505-891A	FOT 3	6-1020A 25X2	GM 58, GMT 28
505-653H	FO 44, FOT 33	505-896A	FOT 5	6-1020CP	GM 58, GMT 28, MER 7
505-653J	FO 42	505-898C	FOT 10	611P	GM 73, GMT 36
505-653L	FO 42	506P	FO 44	6111M	CHM 1, VOL 1-5
505-658A	GM 88, GMT 44	5060M	GM 3, 11	6-1165CP	TO 27-29
505-658C	GMT 44	5070M	CHM 5, CHR 27, DT 15	6-1220RA	FO 22, FOT 11
505-660A	GMT 54	5071M	FO 24	6-13519P	TOT 12
505-661A	GM 108, GMT 52	5078M	FO 50, 51, 57, FOT 36, 37, 42, OMC 11	6-1390CP	BMW 6, 7
505-662A	GM 80	5078MA	FO 50, 51, 57, FOT 36, 37, 42, OMC 11	6-1460A	DT 19
505-662C	GM 80	5083M	FO 5	6-1500CP	TOT 16
505-662E	GM 80	5085M	GM 37, 44, 58, GMT 15, 18, 28, MER 4, 7	6-1575CPA	IH 8, 11, 16
505-662F	GM 80	5085MA	GM 37, 44, 58, GMT 15, 18, 28, MER 7	6-1735CP	CHR 23, DT 10, MI 13, MIT 5
505-683C	CHR 51, DT 27	5090MA	GM 29, GMT 12, JEE 7	6-1845CP	NI 29, 32, NIT 11
505-686A	GM 100	5092M	GM 62, 69, 70	61904BF	PEU 6
505-686C	GM 100, GMT 50	5095MA	CHM 12, CHR 43, DT 24	6-1920RA	CHR 25, DT 12
505-692A	GM 44, GMT 18	5103M	CHR 4-7, 9, 11-13, DT 2, 5, MI 2-11, MIT 1, 3	6-1950CA 60	GM 49, 56, GMT 21, 27
505-695A	GM 109	5107M	FO 50, 51, 57, FOT 37, MER 13, OMC 11	6-1950CP	GM 49, 56, GMT 21, 27
505-699A	GMT 12, JEE 7	5109MA	FO 3, 4	6-1970RA	MZ 16, 17, MZT 9
505-699C	GM 29	5110M	FOT 43, 46, IH 27	6-2020CA 60	GM 33, 41, 45, 46, 51, 52, GMT 14, 19, 26, MER 5, 6, OMC 4, ST 2
505-7000*	GM 31	5130M	FO 14, 17	6-2020CP	GM 33, 41, 45, 46, 51, 52, GMT 14, 19, 26, MER 5, 6, OMC 4, ST 2
505-7001*	GM 31	5138MA	GM 16, GMT 4	62037AF	FIA 7, 9, 10
505-7002*	GM 31	5141X 30	JEE 9	6-2375CP	CHM 2, 5, CHR 22, 24, 27, DT 9, 11, 15
505-7003*	GM 31	5155X	FO 39, 41, FOT 26, 28, IH 17	6-2380CP	FO 15, 19, 24, 36, FOT 7, 8, 12, 23
505-7012*	GMT 28	516CP .50MM	GM 29, GMT 12, JEE 7	6-2385CP	GM 22, 24, 28, GMT 7, 11
505-7021*	GMT 36	516P	GM 29, GMT 12, JEE 7	6-2500RAA	GM 36, 43, 47, JEE 8, OMC 3
505-7028*	GMT 54	517CP	FOT 33	6-2555A	GMT 34
505-7032*	FO 14	520P	FO 21, FOT 10	6-2555CA 60	GMT 34
505-7033*	FOT 11	525CP	AMC 3, CHR 17, JEE 5	6-2555CP	GMT 34
505-7044*	FO 44	525P	AMC 3, CHR 17, JEE 5	6-3055CP	FO 18, 20, 21, FOT 9, 10, 22
505-7050*	CHR 17, JEE 5	526P	CHR 43, DT 24	6-3055CP 10X2	FO 18, 20, 21, FOT 9, 10, 22
505-7053*	JEE 13	527P	CHR 14, DT 3	6-3150CAA 60	FO 35, FOT 20, 31
505-7057*	CHR 14	531CP 1.00MM	GM 29	6-3150CPA	FO 35, FOT 20, 31
505-7058*	CHR 14	531P	GM 29	6-3150CPA 10X2	FO 35, FOT 20, 31
505-7059*	CHR 18, DT 6			6-3310CPA	AMC 8, 9, 11, IH 9, 14, JEE 12-14
505-7060*	CHR 18, DT 6			6354M	PEU 6
505-7062	DT 24			636P	MZT 5
505-713A	CHR 47				
505-715A	JEE 18				
505-716A	JEE 14				

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
6-3695RA	CHM 5, CHR 27, DT 15	6781M	JEE 4	7257M	NI 13
6-3750P	GM 37, 44, GMT 15, 18, MER 4	6786M	TO 9, 10	7261M	TOT 12
6-3755A	GM 30, 35, 38, 47, 48, 53, GMT 20	6792M .25MM	HO 1-3	7269MA 10	FO 20, 21, FOT 9, 10
6-3755AP 10X2	GM 30, 35, 38, 47, 48, 53, GMT 20	6793M	HO 5, 6, 13, 14	7273M	GMT 54, MER 15, 16
6-3755A 10X2	GM 30, 35, 38, 47, 48, 53, GMT 20	6796M	SB 6-9, SBT 2	7274MA 10X20	GM 73, 88, GMT 36, 44, MER 10, 12, OMC 10, VOM 1, 2
6-3760A	GM 38, 47	6798MA	TO 11	7278MA	CHR 25, DT 12
6-3760A 10X2	GM 38, 47	6799M	TO 4, 7	7284M	GM 8, 9, IS 3-5
6-3830A .026MM*	FO 31, FOT 17	68099YA	AUD 1, 4, 5, CHR 8, VW 3, 4, 9, 11, VWT 3, 7, 9	7285M	NI 23, NIT 9
6-3830CPA	FO 31, 32, FOT 17			7286M	AUD 7, VW 2, 12, 16
6-3830CPA 25X2	FO 31, 32, FOT 17	68150CP	AUD 10-16, VW 17, 18	7291MA	FOT 5
6-3965CP	TO 22, 25-27	6834M	AUD 1-6, CHR 8, VW 3, 4, 7-9, 11-13, VWT 3, 6, 7, 9	7295MA	FO 31, FOT 17
6-3969Y	TO 22, 25-29	69P 30	GM 107	7311M	BMW 11
640P	GM 58, GMT 28, MER 7	6-9185CP	CHM 4, 6, CHR 26, 28, DT 13, 17	7314M	MB 6-8, 12
6-4010RA	TO 24	697M	GMT 17, 25, 31	7320M	IST 6
6-4020A	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	698P 30	GM 44, GMT 18, MER 4	7322M	NI 30, 31
6-4020A 25X2	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	7011MA	FO 22, FOT 11	7324M	HO 16
6-4205CP	DT 26	7012M	NI 14, 16, 17, 20	7329MA 10	GM 57, 64, 71, 73, 75, 80, 88, GMT 30, 36, 38, 40, 44, 45, MER 10-12, OMC 10, VOM 1, 2
6-4385RA	TOT 12	7027M	BMW 6, 7	7349M	VOL 5, 7
6445M	FIA 7, 9, 10	7035M	HO 15, 17	7350M	SB 2
6-4480P	HO 22	7038M	TOT 16, 17	7362M	SB 10, 11
645M 10	FOT 16	7041M	HO 4, 7, 8	7366M	TO 30
645P	GM 58, GMT 28	7046MA	GM 50, 65	7368M .50MM	FO 31, FOT 17
6-4560P	MB 6, 7	7047MA	GM 16, 20	7370M	GMT 49
6-4580P	MB 8, 12	7050MA	DT 19	7380MA 10X20	GM 58, GMT 28, MER 7
646M	FO 34, 38, FOT 19, 25	7054MA	GM 21	7381MA 10X20	CHM 12, CHR 43, DT 24
6-4605P	NI 30, 31	7071M	NIT 6, 10	7407M	MZ 16, 17, MZT 9
648M	GM 42, 49, GMT 16, 21	7081M	MIT 6	7414M	NI 33
6-4915P	MZ 16, 17, MZT 9	7086MA	FO 32	7420MA 10X20	DT 19
65077BF	BL 10	7090M	CHR 23, DT 10, MI 13, MIT 5	7427MA 40	GM 39, 40, ROV 2, SM 5
656P	DT 19	7094M	GMT 5, IST 3, 4	7430MA 40	GM 94, 112, 123, 124
657P 30	GM 86, JEE 17	7095M	SZ 3, 4, SZT 2	8KH273CP 30	FO 42, 44
6593M	CHR 10, DT 4, FOT 6, MIT 2	7099M	NI 29, 32, NIT 11	8KH345NCP 30	GM 88, MER 12, VOM 2
65931AF	BL 8, SM 1-4	71P 20	GM 39	8KH345NP 30	GM 88, MER 12, VOM 2
6618M	CHR 10, 20, 21, DT 1, 8, MI 12, MIT 4, MZT 7	7102M	HO 11, 12, 18-20	8KH418CP 30	FO 65, FOT 47
6620MA	TOT 5, 10, 11	7103M	HO 21	8KH418P 20	FO 65, FOT 47
6621MA	TOT 5, 10, 11	7105M	TOT 14	8KH423NCP 30	GM 88, GMT 44, MER 12
6622MA	TO 17-20	7108M	GM 12, 13, 17, 18	8KH423NP	GM 88, GMT 44, MER 12
6630M	CHR 1, 2, MI 1	7109M	DAI 1	8KH518CP 30	GM 119, GMT 54
6631M	IS 8-10, IST 2, 5	7111MA	TO 12, 16	8KH534CP 30	GM 73
6644M	FOT 4, MZT 6	7114MA	TO 24	8KH580CP 30	OMC 10
6645MA	FO 9, MZ 12	7116MA	TO 5	8KH582CP 30	FOT 47
6650MA	TOT 4, 7	7122MA 10	GM 100, 108, 115, 119, GMT 50, 52, 54, MER 14-16	8KH618CP 30	GM 88, GMT 44
6660M	SZT 1	7135M	NI 1, 3, 4, 6, 7	8KH654CP 30	FO 44, FOT 33
66662AF	MB 1, 9-11	7136M	NI 24-28	8KH661CP 30	GM 119, GMT 54, MER 15
66676BF	DAI 1	7137M	NI 10, 15, NIT 2, 3	8KL2256F 30	GM 88, GMT 44, MER 12, VOM 2
6-67035P	TOT 15, 17	7138M	NI 21	8KL2482F 30	FO 42, 44, FOT 29, 33
6-67230CP	NI 24-28	7139M	NI 18, 19, 22, NIT 4, 5, 7, 8	8K272AP 20	FO 42, 44, FOT 29, 33, MER 9, OMC 8
6-67260CP	IH 6	7142M	TO 21, 23, TOT 6, 8	8K273AP 20	FO 42, 44, FOT 29, 33
6-67264Y	IH 6	7144MA	GM 30, 35, 38, 43, 47, 48, 53, GMT 20, JEE 8, OMC 3	8K285NCP 30	CHM 12, CHR 43, DT 24
66756BF	SZT 1	7145M	TOT 15, 17	8K285NP 20	CHM 12, CHR 43, DT 24
6676M	AMC 3, CHR 17, JEE 5	7148M	TO 23, TOT 8, 9	8K400AP 30	GM 104, GMT 51
6678MA	CHR 14-16, 18, 19, DT 3, 6, 7	7150MA 10	GM 30, 35, 43, 47, 48, 53, GMT 20, JEE 8, OMC 3	8K405CP 30	CHM 15, CHR 51, DT 27
6680MA	GM 6, 7, TO 4, 6-8	7151M 10	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	8K405P 30	CHM 15, CHR 51, DT 27
6685M	GM 1, 2, SZ 1, 2	7153M 10	FO 35, 36, FOT 20, 23, 31	8K427P 30	FO 57, FOT 42
6686MA	GM 4, 5, IS 1, 2	7154M 10	FO 50, 51, 57, FOT 36, 37, 42, OMC 11	8K454NP 30	GM 73, GMT 36, MER 10, VOM 1
6687M 10	GM 37, 44, 58, GMT 15, 18, 28, MER 4, 7	7194M	GMT 22, 23, IST 8, 9	8K463P 30	FO 51, FOT 37, MER 13, OMC 11
6688M 10	GM 57, 64, 71, 73, 75, 80, 88, GMT 30, 36, 38, 40, 44, 45, MER 10-12, OMC 10, VOM 1, 2	7204M	FO 1, 2, MZ 5-9	8K517CP 30	FOT 33
6689MA	AMC 4, GM 26, GMT 8, JEE 6	7205M	MER 3	8K526P 30	CHR 43, DT 24
6690MA	GM 26	7207M	MZ 2, 3, 5	8K536NCP 20	GM 73, GMT 36, MER 10
6692M	FO 10, 11, MZ 11, 13-15, MZT 4, 5	7208M	GMT 1, SZT 3	8XH418P 20	FO 65, FOT 47
6693M	TO 27-29	7210M	NI 8, 9, 12	8XH582P 40	FOT 47
6695MA	FO 7	7212M	MZT 8	8XH654P 30	FO 44, FOT 33
6699MA	HO 4, 7, 9, 10	7216M	DT 26	8X272AP 20	FO 42, 44, FOT 29, 33, MER 9, OMC 8
67006BF	GMT 5, IST 3, 4	7218M	GM 10	8X273AP 20	FO 42, 44, FOT 29, 33
67033BF	TO 14, 22, 25-29, TOT 2	7219M 10	FOT 43, 46, IH 27	8X285NP 20	CHM 12, CHR 43, DT 24
67261BF	IH 6, NIT 6, 10	7222M .25MM	GM 50, 65	8X345NP 20	GM 88, GMT 44, MER 12, VOM 2
67271BF	TO 1-3	7241MA	GM 29, GMT 12, JEE 7	8X405P 30	CHM 15, CHR 51, DT 27
67277BF	TO 9, 10, 17-20, TOT 4, 7	7242MA	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	8X423NP 20	GM 88, GMT 44, MER 12
67328BF	JEE 4			8X427P 30	FO 57, FOT 42
67332AF	TO 21, 23, TOT 6, 8	7243MA .25MM	GM 29, GMT 12, JEE 7	8X454NP 20	GM 73, GMT 36, MER 10, VOM 1
67333AF	TO 23, TOT 8, 9	7244MA .25MM	GM 29, 31, 32, GMT 12, 13, IST 7, JEE 7	8X463P 30	FO 51, FOT 37, MER 13, OMC 11
6734M	TO 22, 25-27			8X526P 20	CHR 43, DT 24
67341AF	HO 1-10, 13-15, 17	7245MA	FOT 10, 22	8X534NP 30	GM 73
6768M	TO 1-3	7246MA 10	FOT 10, 22	8X536NP 20	GM 73, GMT 36, MER 10
677CP	JEE 13	7247M	VOL 5-7	8-1505CAA	FO 34, 38, FOT 19, 25
677P	JEE 13	7251M	GMT 24	8-1555CPA	GM 79, 87, 97, 105, 111, 116, 121, GMT 41
677X	GMT 17, IH 8, 11, 18	7256MA	GM 65	8-2000CPA	FO 33, 39, 41, 43, 45, FOT 18, 28, 30

Numerical List

Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.	Part No.	Manufacturer and Line No.
8-2020CP	GM 63, 66, 71, 80, GMT 29, 32, 40, MER 8, 11, OMC 6, ST 6	884M	FO 33, 39, 41, 43, FOT 18, 28, 30		
8-2120CP	GM 93, 98, 117	9024V	FO 28, 34, FOT 14, 19		
8-2130CA 60	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	9024VA	FO 28, 34, 38, FOT 14, 19, 25		
8-2130CP	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	9024XBS	FO 28, 34, 38, FOT 14, 19, 25		
8-2130CP 10X2	CHM 11, 12, 14, 15, CHR 35, 37, 39-41, 43, 45, 47, 51, DT 22, 24, 27	916M	CHM 13, CHR 46, 50		
8-2320CA 60	CHM 16-21, CHR 49, 52, 53, 55-58, DT 29-31	9185CP	CHM 4, 6, CHR 26, 28, DT 13, 17		
8-2320CP	CHM 16-21, CHR 49, 52, 53, 55-58, DT 29-31	92P	GMT 27		
8-2410CP	IH 17, 19-22, 24	9219V	IH 3, 4, 7, 10, 12, 15		
8-2500RAA	GM 39, 40, 62, 68-70, 83, 86, JEE 17, OMC 7, ROV 2, SM 5	9219X	IH 3, 4, 7, 10, 12, 15		
8-2555A	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 36, 38, 40, 44, 45, 51, MER 10-12, OMC 9, 10, VOM 1, 2	933P	IH 8		
8-2555A 10X2	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 36, 38, 40, 44, 45, 51, MER 10, VOM 1	935M	IH 8, 11, 16		
8-2555CA 60	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 36, 38, 40, 44, 45, 51, MER 10-12, OMC 9, 10, VOM 1, 2	9362KX	FOT 21		
8-2555CP	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 36, 38, 40, 44, 45, 51, MER 10-12, OMC 9, 10, VOM 1, 2	9559X	GM 42, 49, GMT 16, 21		
8-2555CP 10X2	GM 57, 64, 71, 73, 75, 80, 88, 104, GMT 30, 36, 38, 40, 44, 45, 51, MER 10-12, OMC 10, VOM 1, 2	9560CPA	CHM 7-9, CHR 29, 31, 33, DT 14, 16, 18, 20		
8-2600A	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	960M	GM 49, 56, GMT 21, 27		
8-2600A 10X2	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	9629X	IH 1		
8-2600CA 60	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	963M	FO 45		
8-2600CP	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	980P 20	GMT 35		
8-2600CP 10X2	FO 27, 37, 40, 42, 44, FOT 24, 29, 33, MER 9, OMC 8	9800CA	FO 28, FOT 14		
8-3045A	GM 54, 55, 74, 81, 90, 91, 109, GMT 46, 53	9805CA 10	FO 34, FOT 19		
8-3045APA	GM 54, 55, 74, 81, 90, 91, 109, GMT 46, 53	9845CP	GMT 17		
8-3045APA 10X2	GM 54, 55, 74, 81, 90, 91, 109, GMT 46	9849	GMT 17, 19		
8-3045A 10X2	GM 54, 55, 74, 81, 90, 91, 109, GMT 46	9849V	GMT 17, 19, 25		
8-3190A	GM 85, 100, 108, 110, 115, 119, GMT 43, 50, 52, 54, MER 14-16	994M	GM 63, 66, 71, 80, GMT 29, 32, 40, MER 8, 11, OMC 6, ST 6		
8-3230CA 60	FO 47, 52, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44	9955SB	JEE 2, 3		
8-3230CP	FO 47, 52, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44	997KX	FO 34		
8-3230CP 10X2	FO 47, 52, 56, 58, 59, 61, 62, FOT 35, 38, 39, 41, 44	997X	FO 34		
8-3310CPA	AMC 13, 14, 16, 18, JEE 15, 18				
8-3320CP	GM 103, 106, 107, 114, 118, 122				
8-3345P	GM 94, 96, 99, 101, 102, 112, 113, 120, 123, 124, GMT 55				
8-3360CPA	FO 63, 65, FOT 45, 47				
8-3360CPA 10X2	FO 63, 65, FOT 45, 47				
8-3380A	FO 51, FOT 37, MER 13, OMC 11				
8-3380A 10X2	FO 51, FOT 37, MER 13, OMC 11				
8-3380CPA	FO 51, FOT 37, MER 13, OMC 11				
8-3380CPA 10X2	FO 51, FOT 37, MER 13, OMC 11				
8-3400CP	FO 49, 50, 57, FOT 36, 42				
8-3400CP 10X2	FO 49, 50, 57, FOT 36, 42				
8-3810CP	FOT 43, 46, IH 27				
8-3860P	GMT 49				
8-3870RA	GM 50, 65				
8-3870RA 25X2	GM 50, 65				
853M	GM 49, 56, GMT 21				
8649V	CHM 4, 6-9, CHR 26, 28, 29, 31, 33, DT 13, 14, 16-18, 20, JEE 9, 10				
8649V20	CHM 4, 6-9, CHR 26, 28, 29, 31, 33, DT 13, 14, 16-18, 20, JEE 9, 10				
8649XA	CHM 4, 6-9, CHR 26, 28, 29, 31, 33, DT 13, 14, 16-18, 20, JEE 9-11				
8649XAS	CHM 4, 6-9, CHR 26, 28, 29, 31, 33, DT 13, 14, 16-18, 20, JEE 9, 10				
88NP	JEE 2, 3				



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